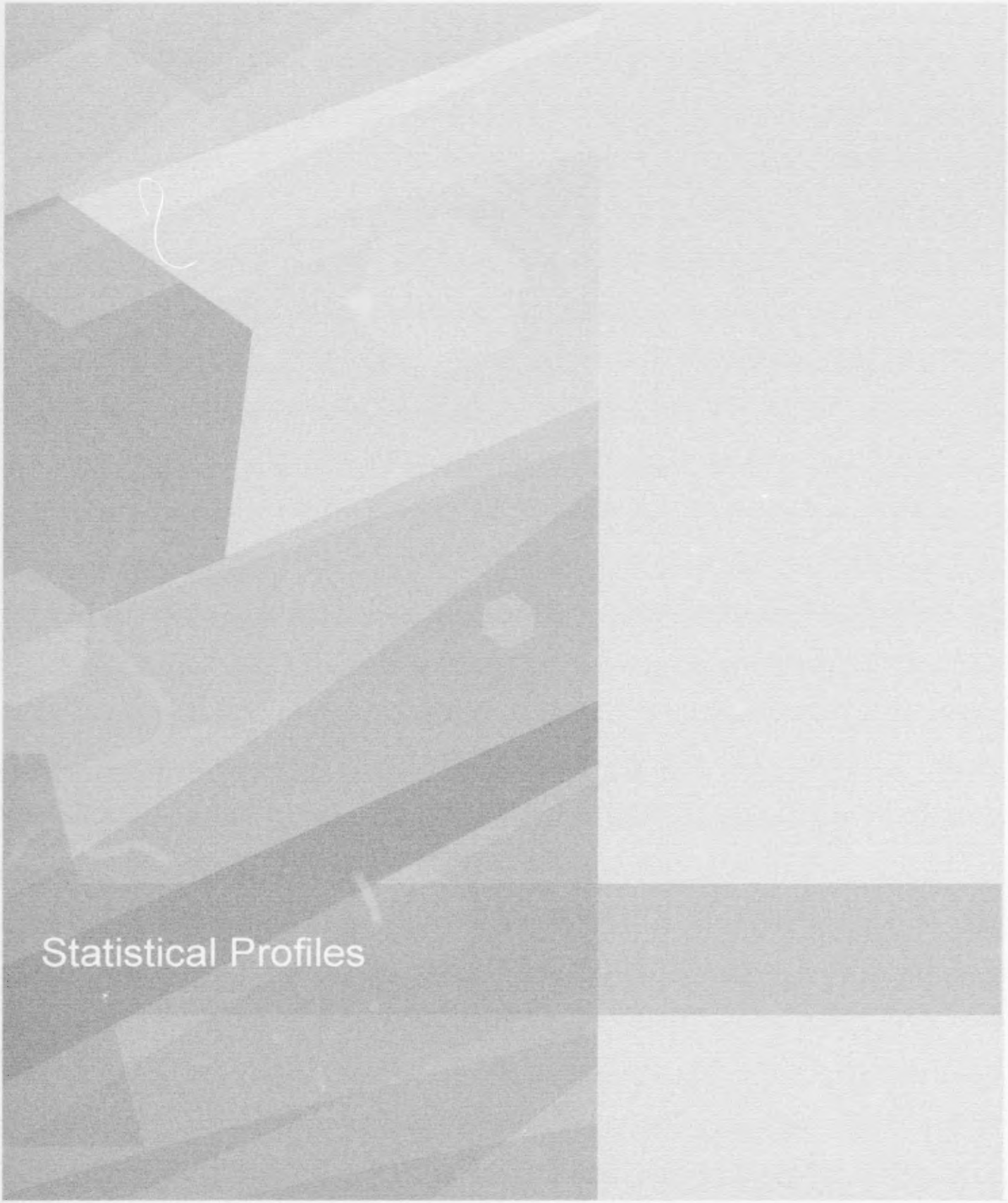
Alberta Trades. World Ready.

Apprenticeship and Industry Training

Statistical Profiles 2015

Alberta Government

Apprenticeship and Industry Training



Statistical Profiles

Apprenticeship at a Glance

The Apprenticeship Program in Alberta...

- begins with finding an employer. Employers hire apprentices, pay their wages and provide on-the-job training under the guidance of a certified or qualified tradesperson.
- includes formal instruction most often delivered through 'block release', where the apprentice spends a block of time, generally eight weeks per year in classroom instruction. Formal instruction may also be offered in other formats in some trades such as competency-based apprenticeship training (CBAT), distance delivery, weekly apprenticeship training system (WATS), mobile delivery, and blended learning.
- involves 80 per cent of an apprentice's time on the job, and the other 20 per cent in formal instruction provided at, or through, a public post-secondary institution.
- is generally three to four years in length.
- has more than 50 designated trades and occupations.
- allows for students still in high school to become apprentices through the Registered Apprenticeship Program (RAP). In RAP, they obtain on-the-job training and work experience as credit toward both an apprenticeship program and a high school diploma while earning an income.
- in keeping with the Mobility Protocol, recognizes apprentices from other jurisdictions in Canada at the same level as their home jurisdiction, and facilitates that transition to ensure that the best interests of those apprentices are met.

Support for Apprentices

- Most apprentices are eligible for employment insurance while attending formal instruction.
- Apprentices who demonstrate financial need may qualify for a grant or loan while attending formal instruction.
- Scholarships are also available to apprentices. As of March 31, 2015, approximately $8.5 million has been awarded to Alberta apprentices through the Alberta Apprenticeship and Industry Training Board Family of Scholarships.

Alberta's Apprenticeship and Industry Training System

- Alberta's apprenticeship and industry training system relies on an extensive network of approximately 160 committees and more than 700 individual industry representatives from grassroots industry through to the Alberta Apprenticeship and Industry Training Board. The committees are composed of equal numbers of employers and employees.
- The role of the committees includes recommending the standards for the skills and competencies required for certification, establishing technical training course outlines, recognizing related training and certification and making recommendations about the designation of trades and occupations.
- Committee members surveyed in 2014 and 2015 agreed or strongly agreed (79%) that their committee's work was contributing to positive change in their trade/occupation.

Apprenticeship Statistics at a Glance - 2015

As of December 31, 2015...

- there were approximately 68,000 registered apprentices.
- approximately 3,300 apprentices registered were Aboriginal people and more than 6,200 were women.
- approximately 875 high school students were registered in the Registered Apprenticeship Program (RAP), and were employed at over 1,000 employer sites.
- approximately 3,200 apprentices who started RAP in high school were continuing in a regular apprenticeship program.

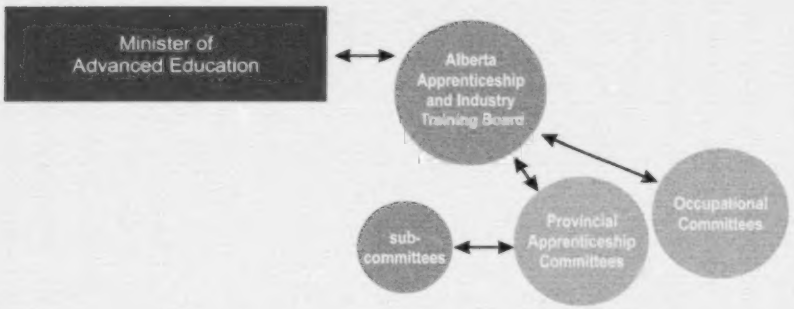
In 2015...

- more than 17,200 new apprentices registered – a 13% increase from 2010.
- the most common age for Alberta apprentices to register in their first trade was 19.
- apprentices were being trained at more than 15,000 employer sites around Alberta.
- more than 10,600 individuals were certified in Alberta's designated trades and occupations. (This includes completed apprentices and individuals issued occupation and qualification certificates).
- Alberta Advanced Education staff completed more than 12,800 shop registrations through site visits in 2015. These site visits provide an opportunity to promote apprenticeship and industry training programs, and work with employers and apprentices to ensure the successful completion of apprenticeship training.

Notes...

- More than 4,500 individuals who began their apprenticeship through RAP have gone on to complete their program and become certified journeypersons. (See Table 10 and Chart 6.)
- Although Alberta has only 13 per cent of Canada's labour force, it trains approximately 18 per cent of the country's apprentices.
- Alberta welcomes tradespeople from other jurisdictions and recognizes all Canadian trade certificates.
- Alberta also promotes the acquisition of the Interprovincial Standards Red Seal. Alberta has produced more tradespeople with an Interprovincial Standards Red Seal than any other jurisdiction in Canada.
- The majority of graduates in Alberta who participated in the 2011/2012 apprenticeship graduate survey expressed satisfaction with:
  - the overall quality of on-the-job training (95%);
  - the overall quality of their technical training (96%); and
  - their experience with the apprenticeship program – 96% would still have chosen to become an apprentice.
- According to a 2012 survey of employers, overall satisfaction with Alberta's apprenticeship and trade certification system remains high with 92 per cent of respondents expressing satisfaction with the system.
- The majority of employers who participated in the 2012 employer survey expressed satisfaction with:
  - the skills of certified journeypersons (95%);
  - apprenticeship technical training (86%); and
  - the effectiveness of on-the-job training (96%).

Structure and Organization of the Alberta Apprenticeship and Industry Training System



1 FORT McMURRAY

- Carpenter
- Crane and hoisting equipment operator
- Electrician
- Hairstylist
- Heavy equipment technician
- Millwright

2 PEACE RIVER

- Welder

3 GRANDE PRAIRIE

- Automotive service technician
- Carpenter
- Electrician
- Hairstylist
- Heavy equipment technician
- Sheet metal worker

4 SLAVE LAKE

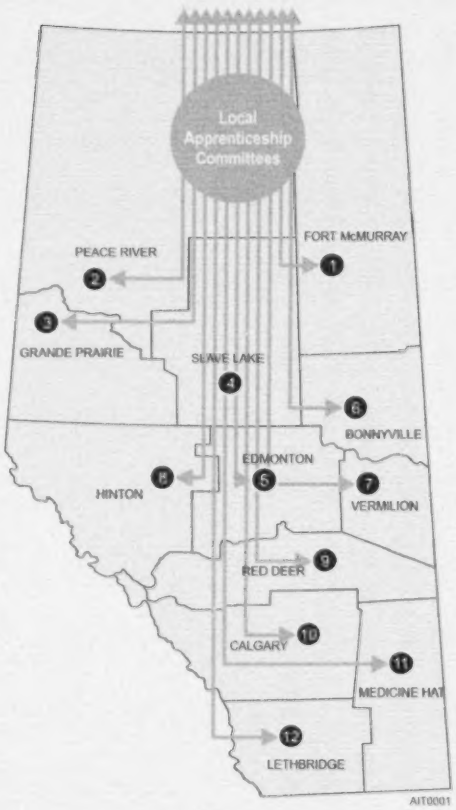
- Electrician

5 EDMONTON

- Appliance service technician
- Autobody technician
- Automotive service technician
- Baker
- Bricklayer
- Cabinetmaker
- Carpenter
- Communication technician
- Cook
- Crane and hoisting equipment operator
- Electric motor systems technician
- Electrician
- Gasfitter
- Glazier
- Hairstylist
- Heavy equipment technician
- Instrument technician
- Locksmith
- Machinist
- Millwright
- Motorcycle mechanic
- Painter and decorator
- Parts technician
- Plumber
- Powerline technician
- Recreation vehicle service technician
- Refrigeration and air conditioning mechanic
- Sheet metal worker
- Steamfitter - pipefitter
- Welder

6 BONNYVILLE

- Carpenter
- Electrician



7 VERMILION

- Automotive service technician
- Heavy equipment technician
- Welder

8 HINTON

- Welder

9 RED DEER

- Automotive service technician
- Carpenter
- Crane and hoisting equipment operator
- Electrician
- Hairstylist
- Heavy equipment technician
- Plumber
- Steamfitter - pipefitter
- Welder

10 CALGARY

- Autobody technician
- Automotive service technician
- Baker
- Bricklayer
- Cabinetmaker
- Carpenter
- Communication technician
- Cook
- Crane and hoisting equipment operator
- Electric motor systems technician
- Electrician
- Gasfitter
- Glazier
- Hairstylist
- Heavy equipment technician
- Landscape gardener
- Machinist
- Millwright
- Motorcycle mechanic
- Painter and decorator
- Parts technician
- Plumber
- Powerline technician
- Recreation vehicle service technician
- Refrigeration and air conditioning mechanic
- Sheet metal worker
- Sprinkler systems installer
- Steamfitter - pipefitter
- Tilesetter
- Welder

11 MEDICINE HAT

- Automotive service technician
- Carpenter
- Electrician
- Hairstylist
- Heavy equipment technician
- Welder

12 LETHBRIDGE

- Automotive service technician
- Carpenter
- Cook
- Electrician
- Hairstylist
- Heavy equipment technician
- Parts technician
- Plumber
- Sheet metal worker
- Welder

2015 Tables and Charts

Total and New Apprentices Registered and Provincial Labour Force Statistics by Year (Table 1) 1

Alberta Unemployment Rates and Total and New Apprentices Registered by Year (Chart 1) 1

Total Number of Apprentices Registered by Trade (Table 2) 2

New Apprentices Registered by Trade (Table 3) 4

Total Number of Apprentices Registered by Year (Chart 2) 6

Age of Alberta Apprentices on Date of Registration in First Trade, 2015 (Chart 3) 6

Total Apprentices Being Trained by Employer Site Size (Chart 4) 7

Total Number of Individuals Certified, 2015 (Table 4) 7

Completed Apprentices Combined with Individuals Issued Qualification Certificates, and Individuals Issued Occupation Certificates by Trade/Occupation (Table 5) 10

Apprentice Completion Rate by Year (Chart 5) 12

Technical Training Attendance by Institution and School Year (Table 6) 13

Total Number of Apprentices Registered by Trade and Period (or Year) of Technical Training, 2015 (Table 7) 14

Number of Apprentices Registered, Certified and Attending Technical Training by Apprenticeship and Industry Training Office, 2015 (Table 8) 16

Number of Committee Meetings by Trade/Occupation and Year (Table 9) 17

Number of Participants in the Registered Apprenticeship Program (RAP) by Trade, 2015 (Table 10) 19

Number of New Registrants in the Registered Apprenticeship Program (RAP) by Year (Chart 6) 21

Total Number of Individuals Awarded Scholarships by Year (Chart 7) 21

Number of Apprentices Registered – Total, Aboriginal and Women, 2015 (Table 11) 22

Total, Women and Aboriginal Apprentices Registered by Year (Chart 8) 24

Per Cent Change of Aboriginal Apprentices Registered by Trade Between 2010 and 2015 (Chart 9) 24

Total Number of Women Apprentices Registered by Year (Chart 10) 25

Per Cent Change of Women Apprentices Registered by Trade Between 2010 and 2015 (Chart 11) 25

Apprentice Graduate Satisfaction with Apprenticeship System (Chart 12) 26

Employer Satisfaction with Apprenticeship System (Chart 13) 26

Table 1

Part A: Total and New Apprentices Registered by Year

	2010	2011	2012	2013	2014	2015
Total Apprentices Registered (all trades)	63,029	57,004	61,326	65,880	70,733	67,955
New Apprentices Registered (all trades)	15,199	17,371	21,906	22,129	23,900	17,227

Source: *Alberta Advanced Education*

Total Apprentices Registered: Total number registered as of December 31, 2015. Apprentices may be registered in more than one trade or branch of a trade within the same year but are counted here only once.

New Apprentices Registered: All apprentices registering during a single calendar year. The number includes those who are returning to do an additional apprenticeship after completing one or more apprenticeships in previous years, or continuing an apprenticeship in another trade for which they registered in a previous year. Apprentices who registered in more than one trade or branch of a trade within a specific year, or who changed from one branch of a trade to another branch within the same trade on the same day, are counted only once. The number does not include reinstated apprentices (unless reinstated in the same year).

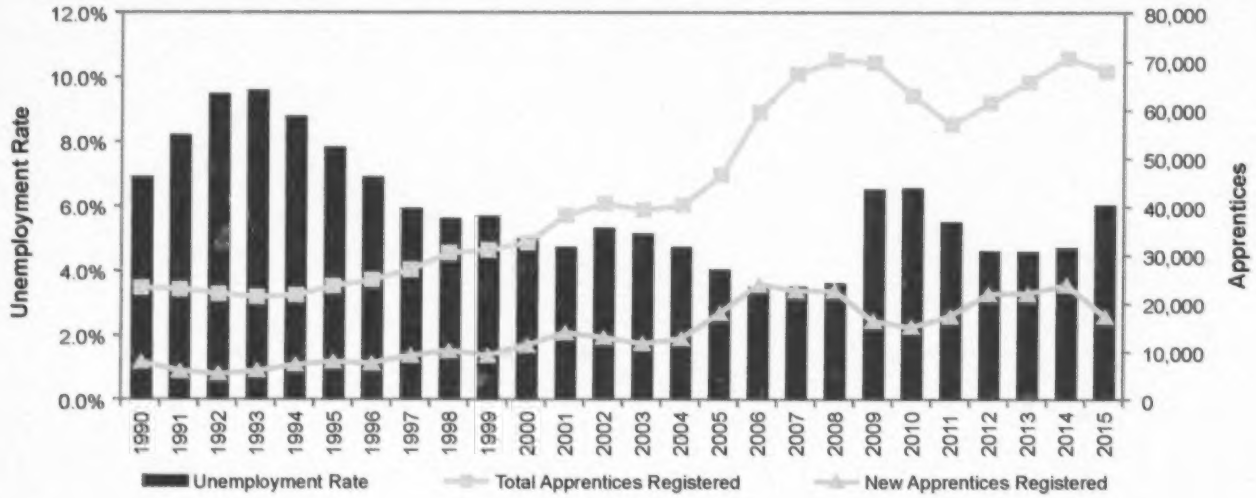
Part B: Provincial Labour Force Statistics by Year

	2010	2011	2012	2013	2014	2015
Labour Force	2,157,308	2,215,158	2,253,458	2,333,108	2,386,250	2,449,167
Employed	2,016,600	2,094,100	2,149,600	2,226,200	2,274,600	2,301,100
Unemployed	140,700	121,000	103,900	106,900	111,700	148,100
Unemployment Rate (%)	6.5%	5.5%	4.6%	4.6%	4.7%	6.0%

Source: *Alberta Labour*

Chart 1

Alberta Unemployment Rates[1] and Total and New Apprentices Registered by Year



Source: *Alberta Advanced Education and Alberta Labour*

[1] Annual Averages

Table 2

Total Number of Apprentices Registered by Trade[1]

TRADE AND BRANCH	2010	2011	2012	2013	2014	2015	2014-15 % change
Agricultural Equipment Technician ▪	182	176	186	203	195	199	2%
Appliance Service Technician	109	89	80	76	75	75	0%
Appliance Service Technician • ▪	88	18	65	64	64	68	6%
Commercial Appliance Service Technician •	21	71	15	12	11	7	-36%
Auto Body Technician	844	724	681	664	696	661	-5%
Auto Body Technician • ▪	606	528	521	519	538	514	-4%
Prepper •	13	11	7	13	12	20	67%
Refinisher • ▪ *(Note 1)*	103	94	78	66	93	87	-6%
Repairer • *(Note 1)*	122	91	75	66	53	40	-25%
Automotive Service Technician • ▪	3,727	2,984	2,840	2,952	3,183	3,205	1%
Baker ▪	201	175	170	180	203	174	-14%
Boilermaker • ▪	470	440	431	436	469	478	2%
Bricklayer ▪	277	217	203	176	172	182	6%
Cabinetmaker ▪	408	351	311	277	279	258	-8%
Carpenter ▪	4,885	3,923	3,651	3,448	3,525	3,374	-4%
Communication Technician	396	305	217	153	124	140	13%
Concrete Finisher ▪	93	62	58	67	65	71	9%
Cook ▪	1,093	985	937	900	973	976	0%
Crane and Hoisting Equipment Operator	2,229	2,398	2,831	3,263	3,249	3,017	-7%
Boom Truck •	767	809	911	1,029	1,071	1,014	-5%
Mobile Crane • ▪	663	615	775	1,005	1,070	1,042	-3%
Tower Crane •	74	41	52	60	65	75	15%
Wellhead Boom Truck •	725	933	1,093	1,169	1,043	886	-15%
Electric Motor Systems Technician ▪	83	69	65	65	43	34	-21%
Electrician • ▪	10,485	9,823	10,343	11,387	13,151	13,258	1%
Elevator Constructor •	278	216	179	186	179	253	41%
Floorcovering Installer ▪	53	63	48	57	40	43	8%
Gasfitter	392	384	410	381	429	529	23%
Gasfitter A • ▪	349	335	352	326	376	450	20%
Gasfitter B • ▪	43	49	58	55	53	79	49%
Glazier	387	351	305	280	258	270	5%
Glazier ▪	380	346	301	276	254	268	6%
Auto Glass Technician *(Note 2)*	7	5	4	4	4	2	-50%
Hairstylist • ▪	2,494	2,365	2,288	2,359	2,324	2,222	-4%
Heavy Equipment Technician	4,707	4,712	5,492	5,954	6,550	6,195	-5%
Heavy Equipment Technician •	3,869	3,891	4,560	4,982	5,447	4,970	-9%
Heavy Duty Equipment Mechanic (Off Road) • ▪	247	252	306	335	374	443	18%
Transport Trailer Mechanic •	120	111	112	105	137	145	6%
Truck and Transport Mechanic • ▪	471	458	514	532	592	637	8%
Instrument Technician ▪	1,875	1,698	1,764	1,943	2,157	1,956	-9%
Insulator ▪	873	838	698	726	800	786	-2%
Ironworker	1,368	927	1,416	1,589	1,513	1,665	10%
Ironworker • ▪	340	234	360	368	358	371	4%
Metal Building Systems Erector •	90	61	90	111	112	91	-19%
Reinforcing • ▪	293	163	273	268	313	337	8%
Structural/Ornamental • ▪	645	469	693	842	730	866	19%
Landscape Gardener ▪	204	181	162	160	147	147	0%
Lather-Interior Systems Mechanic ▪	114	89	62	86	111	118	6%
Locksmith	77	76	83	91	118	133	13%

(continued)

Table 2 (continued)

Total Number of Apprentices Registered by Trade[1]

TRADE AND BRANCH	2010	2011	2012	2013	2014	2015	2014-15 % change
Machinist ▪	804	640	779	852	841	753	-10%
Millwright ▪	1,855	1,672	1,909	2,107	2,269	2,176	-4%
Motorcycle Mechanic •▪	266	197	198	216	208	203	-2%
Natural Gas Compression Technician *(Note 3)*	N/A	2	15	25	32	28	-13%
Outdoor Power Equipment Technician *(Note 4)*	105	98	88	75	67	58	-13%
Power	30	41	44	37	32	14	-56%
Turf	7	N/A	N/A	N/A	N/A	N/A	N/A
Marine	24	N/A	N/A	N/A	N/A	N/A	N/A
Recreational	44	57	44	38	35	44	26%
Painter and Decorator ▪	119	113	108	101	97	95	-2%
Parts Technician	856	846	1,007	1,127	1,193	1,128	-5%
Parts Technician ▪	786	746	893	1,000	1,064	1,010	-5%
Materials Technician	70	100	114	127	129	118	-9%
Plumber	4,317	3,502	3,286	3,397	3,800	4,047	7%
Plumber •▪	26	21	22	16	17	19	12%
Plumber & Gasfitter B •▪	4,291	3,481	3,264	3,381	3,783	4,028	6%
Powerline Technician ▪	659	618	658	733	891	882	-1%
Power System Electrician	372	329	369	444	484	455	-6%
Recreation Vehicle Service Technician •▪	168	116	102	111	131	157	20%
Refrigeration and Air Conditioning Mechanic •▪	809	731	753	760	821	822	0%
Rig Technician •▪	2,263	2,719	2,832	2,345	2,168	1,797	-17%
Roofer ▪	230	191	212	198	195	190	-3%
Sawfiler *(Note 5)*	8	5	4	0	N/A	N/A	N/A
Sawfiler	7	5	4	0	N/A	N/A	N/A
Circular Sawfiler	1	0	0	0	N/A	N/A	N/A
Sheet Metal Worker •▪	1,620	1,323	1,155	1,179	1,306	1,375	5%
Sprinkler Systems Installer ▪	431	301	263	273	281	338	20%
Steamfitter-Pipefitter •▪	3,675	3,150	4,160	5,250	5,769	5,261	-9%
Structural Steel and Plate Fitter ▪	113	139	175	157	136	129	-5%
Tilesetter ▪	39	30	34	22	20	20	0%
Tool and Die Maker ▪ *(Note 6)*	1	0	N/A	N/A	N/A	N/A	N/A
Transport Refrigeration Technician	41	27	28	36	37	33	-11%
Water Well Driller	49	40	45	48	46	45	-2%
Welder	5,925	5,594	7,235	8,365	8,913	7,544	-15%
Welder •▪	5,901	5,582	7,183	8,317	8,840	7,490	-15%
Wire Processor •	24	12	52	48	73	54	-26%
TOTAL	63,029	57,004	61,326	65,880	70,733	67,955	-4%

Source: *Alberta Advanced Education*

[1] Total number of apprentices registered as of December 31 each year. Apprentices may be registered in more than one trade or branch of a trade within the same year but are counted here only once. Apprentices registered and employed in another jurisdiction but taking training only in Alberta are not included here.

• = Compulsory certification trade
▪ = Red Seal Trade

N/A = Not Applicable. Data does not exist in one or more of the specified years.

Note 1: In 2015, 16 of the 87 individuals registered in the refinisher branch of the auto body technician trade are also registered in the repairer branch of that trade. One of the 40 individuals registered in the repairer branch of the trade are also registered in the refinisher branch.
Note 2: Effective January 1, 2015, the designation of autoglass technician as a branch of the glazier trade was rescinded. Apprentices registered in the program before that date can continue in the program until December 31, 2016.
Note 3: Natural gas compression technician became a designated trade on September 1, 2011.
Note 4: Effective September 1, 2011, the old four-period marine and recreational branches of the outdoor power equipment technician trade changed to the new three-period recreational branch of the trade, and the old four-period turf and power branches changed to the new three-period power branch.
Note 5: Effective July 1, 2013, the designation of the trade of sawfiler was rescinded.
Note 6: Effective April 1, 2011, the designation of the trade of tool and die maker was rescinded. As of May 1, 2009, contracts of apprenticeship were no longer accepted for registration.

Table 3

New Apprentices Registered by Trade[1]

TRADE AND BRANCH	2010	2011	2012	2013	2014	2015	2014-15 % change
Agricultural Equipment Technician	**46**	**54**	**63**	**59**	**50**	**57**	**14%**
Appliance Service Technician	**26**	**27**	**26**	**19**	**25**	**19**	**-24%**
Appliance Service Technician	19	20	23	16	22	18	-18%
Commercial Appliance Service Technician	7	7	3	3	3	1	-67%
Auto Body Technician	**184**	**213**	**206**	**196**	**250**	**176**	**-30%**
Auto Body Technician	165	181	174	157	199	133	-33%
Prepper	3	6	4	10	11	14	27%
Refinisher *(Note 1)*	10	18	19	19	30	22	-27%
Repairer	6	8	9	10	10	7	-30%
Automotive Service Technician	**739**	**779**	**804**	**886**	**1,027**	**856**	**-17%**
Baker	**56**	**64**	**74**	**64**	**69**	**62**	**-10%**
Boilermaker	**149**	**144**	**132**	**154**	**137**	**134**	**-2%**
Bricklayer	**58**	**48**	**39**	**45**	**40**	**64**	**60%**
Cabinetmaker	**92**	**85**	**91**	**73**	**103**	**71**	**-31%**
Carpenter	**1,043**	**931**	**1,046**	**1,026**	**1,134**	**935**	**-18%**
Communication Technician	**38**	**44**	**63**	**30**	**32**	**48**	**50%**
Concrete Finisher	**26**	**28**	**25**	**39**	**23**	**38**	**65%**
Cook	**382**	**362**	**346**	**317**	**391**	**348**	**-11%**
Crane and Hoisting Equipment Operator	**908**	**1,007**	**1,284**	**1,330**	**1,223**	**763**	**-38%**
Boom Truck	354	341	409	419	433	266	-39%
Mobile Crane	176	192	364	431	344	261	-24%
Tower Crane	12	15	26	30	28	38	36%
Wellhead Boom Truck	366	459	485	450	418	198	-53%
Electric Motor Systems Technician	**14**	**22**	**18**	**23**	**13**	**7**	**-46%**
Electrician	**2,280**	**2,398**	**2,921**	**3,338**	**4,153**	**2,956**	**-29%**
Elevator Constructor	**50**	**26**	**15**	**59**	**40**	**89**	**123%**
Floorcovering Installer	**35**	**31**	**13**	**30**	**16**	**19**	**19%**
Gasfitter	**146**	**164**	**177**	**151**	**200**	**230**	**15%**
Gasfitter A	119	143	141	128	165	180	9%
Gasfitter B	27	21	36	23	35	50	43%
Glazier	**115**	**96**	**68**	**72**	**81**	**84**	**4%**
Glazier	111	94	68	68	81	84	4%
Auto Glass Technician *(Note 2)*	4	2	0	4	0	N/A	N/A
Hairstylist	**930**	**912**	**866**	**809**	**856**	**719**	**-16%**
Heavy Equipment Technician	**1,022**	**1,630**	**2,064**	**1,835**	**2,081**	**1,305**	**-37%**
Heavy Equipment Technician	777	1,287	1,685	1,485	1,626	854	-47%
Heavy Duty Equipment Mechanic (Off Road)	83	105	148	116	156	178	14%
Transport Trailer Mechanic	29	66	51	46	75	57	-24%
Truck and Transport Mechanic	133	172	180	188	224	216	-4%
Instrument Technician	**461**	**506**	**621**	**684**	**738**	**418**	**-43%**
Insulator	**348**	**220**	**217**	**266**	**373**	**252**	**-32%**
Ironworker	**338**	**339**	**810**	**779**	**642**	**746**	**16%**
Ironworker	78	96	205	178	159	156	-2%
Metal Building Systems Erector	25	27	53	74	58	40	-31%
Reinforcing	102	77	190	149	201	188	-6%
Structural/Ornamental	133	139	362	378	224	362	62%
Landscape Gardener	**53**	**55**	**43**	**50**	**38**	**44**	**16%**
Lather-Interior Systems Mechanic	**27**	**26**	**26**	**47**	**45**	**44**	**-2%**
Locksmith	**20**	**33**	**24**	**31**	**53**	**40**	**-25%**

(continued)

Table 3 (continued)

New Apprentices Registered by Trade[1]

TRADE AND BRANCH	2010	2011	2012	2013	2014	2015	2014-15 % change
Machinist	98	210	305	262	227	135	-41%
Millwright	348	521	668	670	636	450	-29%
Motorcycle Mechanic	55	59	77	80	69	66	-4%
Natural Gas Compression Technician *(Note 3)*	N/A	2	16	15	15	5	-67%
Outdoor Power Equipment Technician *(Note 4)*	30	53	35	25	27	23	-15%
Power	10	25	20	13	11	4	-64%
Turf	3	N/A	N/A	N/A	N/A	N/A	N/A
Marine	8	N/A	N/A	N/A	N/A	N/A	N/A
Recreational	9	28	15	12	16	19	19%
Painter and Decorator	35	44	39	35	47	31	-34%
Parts Technician	261	334	464	428	429	342	-20%
Parts Technician	241	275	413	369	374	299	-20%
Materials Technician	20	59	51	59	55	43	-22%
Plumber	843	700	822	985	1,267	1,105	-13%
Plumber	10	8	5	3	8	4	-50%
Plumber & Gasfitter B	833	692	817	982	1,259	1,101	-13%
Powerline Technician	187	184	235	278	338	205	-39%
Power System Electrician	155	107	150	216	198	163	-18%
Recreation Vehicle Service Technician	43	29	38	41	57	52	-9%
Refrigeration and Air Conditioning Mechanic	185	176	217	214	246	213	-13%
Rig Technician	550	1,062	944	589	635	323	-49%
Roofer	64	68	85	57	76	69	-9%
Sawfiler *(Note 5)*	1	1	3	0	N/A	N/A	N/A
Sawfiler	0	1	3	0	N/A	N/A	N/A
Circular Sawfiler	1	0	0	0	N/A	N/A	N/A
Sheet Metal Worker	321	272	246	312	443	386	-13%
Sprinkler Systems Installer	72	54	67	104	115	121	5%
Steamfitter-Pipefitter	1,028	1,098	1,965	2,253	2,192	1,318	-40%
Structural Steel and Plate Fitter	40	76	92	50	44	37	-16%
Tilesetter	18	9	13	4	7	6	-14%
Tool and Die Maker *(Note 6)*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Transport Refrigeration Technician	7	6	15	14	15	7	-53%
Water Well Driller	14	17	17	14	16	8	-50%
Welder	1,258	2,045	3,311	3,071	2,968	1,638	-45%
Welder	1,249	2,039	3,262	3,040	2,913	1,625	-44%
Wire Processor	9	6	49	31	55	13	-76%
TOTAL	15,199	17,371	21,906	22,129	23,900	17,227	-28%

Source: *Alberta Advanced Education*

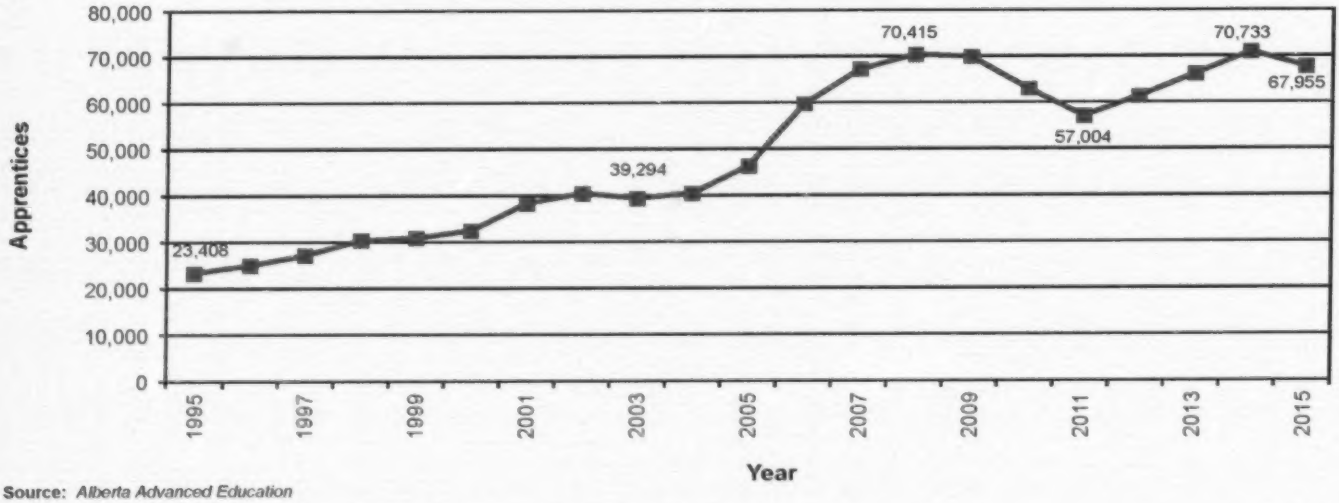
[1] New apprentices include all apprentices registering during a single calendar year. The number includes those who are returning to do an additional apprenticeship after completing one or more apprenticeship programs in previous years, or continuing an apprenticeship in another trade for which they registered in a previous year. Apprentices who registered in more than one trade or branch of a trade within 2014, are counted here only once. The number does not include reinstated apprentices (unless reinstated in the same year).

N/A = Not Applicable. Data does not exist in one or more of the specified years.

Note 1: In 2015, one of the 22 individuals registered in the refinisher branch of the auto body technician trade was also registered in the prepper branch of that trade.
Note 2: Effective January 1, 2015, the designation of autoglass technician as a branch of the glazier trade was rescinded. Apprentices registered in the program before that date can continue in the program until December 31, 2016.
Note 3: Natural gas compression technician became a designated trade on September 1, 2011.
Note 4: Effective September 1, 2011, the old four-period marine and recreational branches of the outdoor power equipment technician trade changed to the new three-period recreational branch of the trade, and the old four-period turf and power branches changed to the new three-period power branch.
Note 5: Effective July 1, 2013, the designation of the trade of sawfiler was rescinded.
Note 6: Effective April 1, 2011, the designation of the trade of tool and die maker was rescinded. As of May 1, 2009, contracts of apprenticeship were no longer accepted for registration.

Chart 2

Total Number of Apprentices Registered by Year[1]

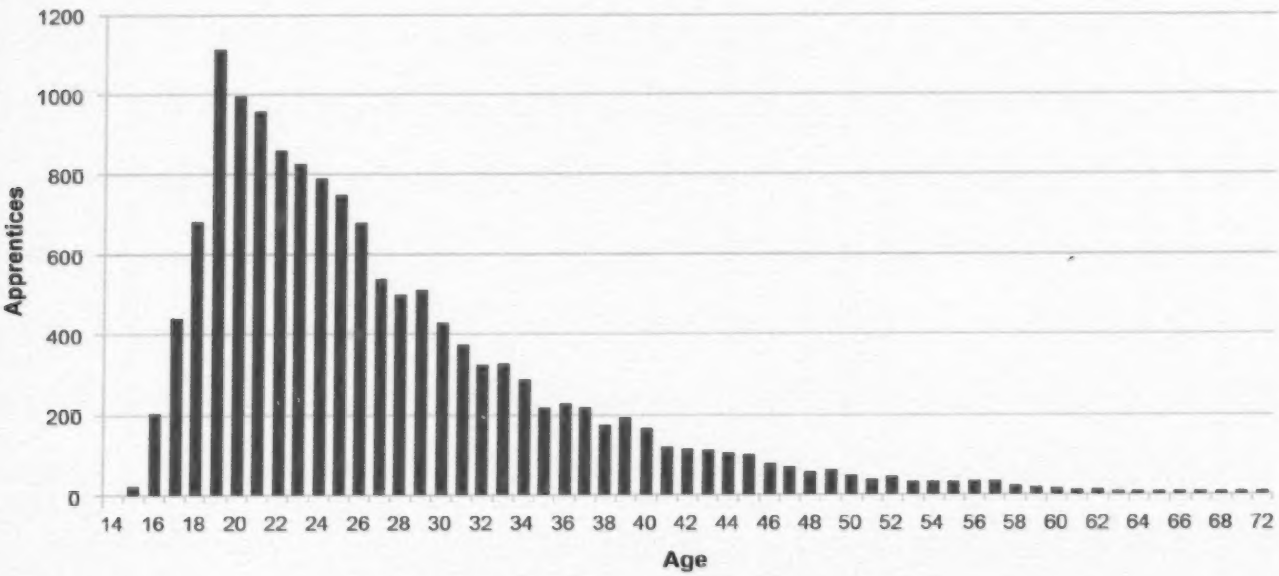


Source: *Alberta Advanced Education*

[1] This graph represents statistics covering a series of calendar years (January to December).

Chart 3

Age of Alberta Apprentices on Date of Registration in First Trade, 2015[1]



Total number of Alberta apprentices registering in their first trade in 2015 = 13,729[2]

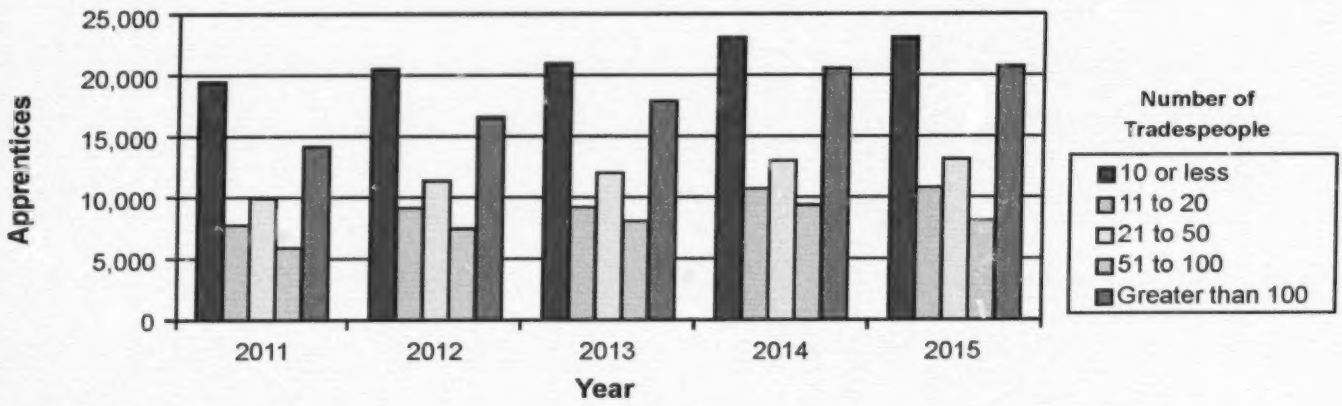
Source: *Alberta Advanced Education*

[1] Age at date of registration.

[2] The 13,729 total in the chart above includes only individuals registering in their first trade in Alberta in 2015. This number differs from the total number of new apprentices registered (17,227) as presented in Table 3. In Table 3, the number of new apprentices registered includes those who are returning to do an additional apprenticeship after completing one or more apprenticeship programs in previous years.

Chart 4

Total Apprentices Being Trained by Employer Site Size[1]



Source: *Alberta Advanced Education*

[1] The size of an employer site is determined by the number of tradespeople.

Table 4

Total Number of Individuals Certified, 2015[1]

TRADE AND BRANCH/OCCUPATION	Journeyman Certificates Issued to Completed Apprentices and Individuals Issued Occupation Certificates	Interprovincial Red Seals Issued to Completed Apprentices and Trainees *(Note 1)*	Qualification Certificates *(Note 2)*	Other Red Seals Issued *(Note 3)*
Agricultural Equipment Technician	20	13	0	0
Appliance Service Technician	11	4	3	1
Appliance Service Technician	5	4	3	1
Commercial Appliance Service Technician	6	N/A	0	N/A
Auto Body Technician	71	54	29	19
Auto Body Technician	40	13	9	8
Prepper	1	N/A	3	N/A
Refinisher	18	41	12	11
Repairer	12	N/A	5	N/A
Automotive Service Technician	388	363	97	88
Baker	38	30	6	5
Boilermaker	67	62	4	4
Bricklayer	28	21	1	1
Cabinetmaker	41	41	7	5
Carpenter	411	329	24	19
Communication Technician	10	N/A	0	N/A
Concrete Finisher	12	11	7	6
Cook	151	137	155	128
Crane and Hoisting Equipment Operator	519	144	38	26
Boom Truck	178	N/A	10	N/A
Mobile Crane	147	142	25	20
Tower Crane	8	2	3	6
Wellhead Boom Truck	186	N/A	0	N/A
Electric Motor Systems Technician	8	8	0	0
Electrician	1,370	1,033	175	158

(continued)

Total Number of Individuals Certified, 2015[1]

TRADE AND BRANCH/OCCUPATION	Journeyman Certificates Issued to Completed Apprentices and Individuals Issued Occupation Certificates	Interprovincial Red Seals Issued to Completed Apprentices and Trainees *(Note 1)*	Qualification Certificates *(Note 2)*	Other Red Seals Issued *(Note 3)*
Elevator Constructor	**16**	**N/A**	**4**	**N/A**
Floorcovering Installer	**0**	**0**	**0**	**0**
Gasfitter	**76**	**0**	**14**	**0**
Gasfitter A	66	0	8	0
Gasfitter B	10	0	6	0
Glazier	**30**	**29**	**0**	**0**
Glazier	30	29	0	0
Auto Glass Technician *(Note 4)*	0	0	0	0
Hairstylist	**445**	**315**	**83**	**71**
Heavy Equipment Technician	**841**	**677**	**171**	**153**
Heavy Equipment Technician	571	N/A	40	N/A
Heavy Duty Equipment Mechanic (Off Road)	107	177	54	56
Transport Trailer Mechanic	32	N/A	8	N/A
Truck and Transport Mechanic	131	500	69	97
Instrument Technician	**275**	**186**	**16**	**14**
Insulator	**88**	**55**	**2**	**2**
Ironworker	**127**	**75**	**70**	**43**
Ironworker	14	9	3	3
Metal Building Systems Erector	10	N/A	6	N/A
Reinforcing	19	12	29	20
Structural/Ornamental	84	54	32	20
Landscape Gardener	**18**	**17**	**3**	**4**
Lather-Interior Systems Mechanic	**10**	**11**	**0**	**0**
Locksmith	**3**	**N/A**	**1**	**N/A**
Machinist	**78**	**65**	**9**	**8**
Millwright	**253**	**229**	**31**	**28**
Motorcycle Mechanic	**27**	**26**	**8**	**8**
Natural Gas Compression Technician	**0**	**N/A**	**3**	**N/A**
Outdoor Power Equipment Technician	**8**	**N/A**	**2**	**N/A**
Power	4	N/A	1	N/A
Recreational	4	N/A	1	N/A
Painter and Decorator	**12**	**5**	**3**	**2**
Parts Technician	**194**	**171**	**29**	**22**
Parts Technician	183	171	22	22
Materials Technician	11	N/A	7	N/A
Plumber	**426**	**350**	**20**	**17**
Plumber	1	1	20	17
Plumber & Gasfitter B	425	349	0	0
Powerline Technician	**140**	**142**	**30**	**28**
Power System Electrician	**83**	**N/A**	**5**	**N/A**
Recreation Vehicle Service Technician	**12**	**10**	**1**	**1**
Refrigeration and Air Conditioning Mechanic	**128**	**99**	**3**	**2**
Rig Technician	**119**	**104**	**127**	**97**
Roofer	**30**	**27**	**9**	**8**
Sheet Metal Worker	**129**	**115**	**1**	**1**
Sprinkler Systems Installer	**25**	**23**	**1**	**1**

(continued)

Table 4 (continued)

Total Number of Individuals Certified, 2015[1]

TRADE AND BRANCH/OCCUPATION	Journeyman Certificates Issued to Completed Apprentices and Individuals Issued Occupation Certificates	Interprovincial Red Seals Issued to Completed Apprentices and Trainees (Note 1)	Qualification Certificates (Note 2)	Other Red Seals Issued (Note 3)
Steamfitter-Pipefitter	569	358	106	84
Structural Steel and Plate Fitter	18	16	4	4
Tilesetter	2	0	0	0
Transport Refrigeration Technician	3	N/A	0	N/A
Water Well Driller	5	N/A	2	N/A
Welder	1,403	1,139	233	211
Welder	1,394	1,139	230	211
Wire Processor	9	N/A	3	N/A
Total - Trades	**6,738**	**6,494**	**1,537**	**1,269**
Cathodic Protection Technician	108	N/A	N/A	N/A
Construction Craft Labourer	9	6	N/A	0
Field Heat Treatment Technician	16	N/A	N/A	N/A
Gas Utility Operator	16	N/A	N/A	N/A
Industrial Construction Crew Supervisor	255	N/A	N/A	N/A
Oil and Gas Transportation Services	0	N/A	N/A	N/A
Overhead Door Technician	1	N/A	N/A	N/A
Residential Construction Site Manager	0	N/A	N/A	N/A
Slickline Services	0	N/A	N/A	N/A
Snubbing Services	1	N/A	N/A	N/A
Steel Detailer	0	N/A	N/A	N/A
Well Testing Services Supervisor	0	N/A	N/A	N/A
Total - Occupations	**406**	**6**	**N/A**	**0**
TOTAL	9,144	6,500	1,537	1,269

Source: *Alberta Advanced Education*

[1] Individuals issued more than one certificate in 2015 are counted here only once.

N/A = Not Applicable.

Note 1: This number includes the number of 'Interprovincial Red Seals Issued to Completed Apprentices and Trainees' in 2015 regardless of the year the apprentices or trainees completed their training.

Note 2: A Qualification Certificate is a certificate issued to individuals who, through an assessment of their prior work experience, knowledge and skills in a designated trade, demonstrate they meet the standards set for certification in Alberta.

Note 3: 'Other Red Seals Issued' includes red seals issued to individuals other than those who have completed an Alberta apprenticeship or occupational training program. The number includes red seals issued to individuals who were certified through Alberta's Qualification Certificate Program or occupation training and certification program (without completing a trainee program) and to individuals who successfully completed the interprovincial examination in Alberta rather than in the jurisdiction in which they were originally certified.

Note 4: Effective January 1, 2015, the designation of autoglass technician as a branch of the glazier trade was rescinded. Apprentices registered in the program before that date can continue in the program until December 31, 2016.

Table 5

Completed Apprentices Combined with Individuals Issued Qualification Certificates, and Individuals Issued Occupation Certificates by Trade/Occupation[1]

TRADE AND BRANCH	2010	2011	2012	2013	2014	2015	2014-15 % change
Agricultural Equipment Technician	**27**	**22**	**34**	**26**	**30**	**20**	**-33%**
Appliance Service Technician	**21**	**18**	**21**	**8**	**17**	**14**	**-18%**
Appliance Service Technician	19	12	18	6	11	8	-27%
Commercial Appliance Service Technician	2	6	3	2	6	6	0%
Auto Body Technician	**134**	**133**	**99**	**77**	**128**	**100**	**-22%**
Auto Body Technician	10	14	13	19	35	49	40%
Prepper	4	7	4	1	10	4	-60%
Refinisher	66	74	45	34	53	30	-43%
Repairer	54	38	37	23	30	17	-43%
Automotive Service Technician	**444**	**446**	**472**	**428**	**452**	**485**	**7%**
Baker	**36**	**39**	**37**	**30**	**32**	**44**	**38%**
Boilermaker	**62**	**56**	**66**	**68**	**60**	**71**	**18%**
Bricklayer	**34**	**36**	**39**	**35**	**29**	**29**	**0%**
Cabinetmaker	**32**	**50**	**63**	**34**	**39**	**48**	**23%**
Carpenter	**474**	**621**	**575**	**512**	**446**	**435**	**-2%**
Communication Technician	**37**	**38**	**73**	**57**	**22**	**10**	**-55%**
Concrete Finisher	**13**	**15**	**20**	**18**	**12**	**19**	**58%**
Cook	**207**	**222**	**206**	**187**	**295**	**306**	**4%**
Crane and Hoisting Equipment Operator	**414**	**455**	**443**	**466**	**568**	**557**	**-2%**
Boom Truck	153	163	137	150	206	188	-9%
Mobile Crane	125	132	124	108	149	172	15%
Tower Crane	27	7	1	3	14	11	-21%
Wellhead Boom Truck	109	153	181	205	199	186	-7%
Electric Motor Systems Technician	**3**	**8**	**13**	**5**	**11**	**8**	**-27%**
Electrician	**1,515**	**1,554**	**1,485**	**1,363**	**1,509**	**1,545**	**2%**
Elevator Constructor	**29**	**60**	**44**	**43**	**43**	**20**	**-53%**
Floorcovering Installer	**26**	**10**	**5**	**6**	**5**	**0**	**-100%**
Gasfitter	**101**	**90**	**86**	**91**	**118**	**90**	**-24%**
Gasfitter A	94	80	72	82	92	74	-20%
Gasfitter B	7	10	14	9	26	16	-38%
Glazier	**32**	**43**	**55**	**36**	**54**	**30**	**-44%**
Glazier	32	43	55	36	53	30	-43%
Auto Glass Technician *(Note 1)*	0	0	0	0	1	0	N/A
Hairstylist	**681**	**655**	**597**	**400**	**567**	**528**	**-7%**
Heavy Equipment Technician	**920**	**905**	**820**	**812**	**894**	**1,012**	**13%**
Heavy Equipment Technician	676	606	569	523	532	611	15%
Heavy Duty Equipment Mechanic (Off Road)	83	127	111	135	148	161	9%
Transport Trailer Mechanic	47	33	28	24	38	40	5%
Truck and Transport Mechanic	114	139	112	130	176	200	14%
Instrument Technician	**294**	**281**	**243**	**198**	**258**	**291**	**13%**
Insulator	**64**	**56**	**86**	**91**	**111**	**90**	**-19%**
Ironworker	**138**	**137**	**131**	**158**	**200**	**197**	**-2%**
Ironworker	17	11	18	19	26	17	-35%
Metal Building Systems Erector	5	8	8	12	13	16	23%
Reinforcing	42	45	34	37	61	48	-21%
Structural/Ornamental	74	73	71	90	100	116	16%
Landscape Gardener	**30**	**19**	**22**	**20**	**24**	**21**	**-13%**
Lather-Interior Systems Mechanic	**15**	**9**	**22**	**9**	**9**	**10**	**11%**
Locksmith	**4**	**9**	**5**	**7**	**7**	**4**	**-43%**

(continued)

Table 5 (continued)

Completed Apprentices Combined with Individuals Issued Qualification Certificates, and Individuals Issued Occupation Certificates by Trade/Occupation[1]

TRADE AND BRANCH	2010	2011	2012	2013	2014	2015	2014-15 % change
Machinist	174	164	97	81	86	87	1%
Millwright	397	387	274	244	238	284	19%
Motorcycle Mechanic	43	43	44	26	25	35	40%
Natural Gas Compression Technician *(Note 2)*	N/A	0	3	2	3	3	0%
Outdoor Power Equipment Technician *(Note 3)*	5	15	8	9	9	10	11%
Power	1	4	4	8	1	5	400%
Turf	0	0	N/A	N/A	N/A	N/A	N/A
Marine	2	1	N/A	N/A	N/A	N/A	N/A
Recreational	2	10	4	1	8	5	-38%
Painter and Decorator	19	14	15	13	18	15	-17%
Parts Technician	180	159	149	142	177	223	26%
Parts Technician	180	155	138	113	150	205	37%
Materials Technician	0	4	11	29	27	18	-33%
Plumber	560	600	594	464	497	446	-10%
Plumber	20	6	14	10	25	21	-16%
Plumber & Gasfitter B	540	594	580	454	472	425	-10%
Powerline Technician	137	137	167	125	187	170	-9%
Power System Electrician	41	51	51	70	97	88	-9%
Recreation Vehicle Service Technician	40	39	18	14	11	13	18%
Refrigeration and Air Conditioning Mechanic	99	124	86	104	106	131	24%
Rig Technician	189	159	189	204	283	246	-13%
Roofer	37	22	25	22	38	39	3%
Sawfiler *(Note 4)*	1	4	2	1	N/A	N/A	N/A
Sawfiler	1	2	2	1	N/A	N/A	N/A
Circular Sawfiler	0	2	0	0	N/A	N/A	N/A
Sheet Metal Worker	144	128	171	112	164	130	-21%
Sprinkler Systems Installer	50	69	46	52	27	26	-4%
Steamfitter-Pipefitter	691	517	533	509	751	675	-10%
Structural Steel and Plate Fitter	25	13	18	17	30	22	-27%
Tilesetter	8	7	5	8	3	2	-33%
Tool and Die Maker *(Note 5)*	0	1	N/A	N/A	N/A	N/A	N/A
Transport Refrigeration Technician	6	8	9	5	5	3	-40%
Water Well Driller	6	12	10	5	8	7	-13%
Welder	1,613	1,098	945	983	1,442	1,636	13%
Welder	1,603	1,093	936	957	1,410	1,624	15%
Wire Processor	10	5	9	26	32	12	-63%
Total - Trades	10,252	9,758	9,221	8,397	10,145	10,275	1%
Cathodic Protection Technician *(Note 6)*	N/A	N/A	N/A	3	123	108	-12%
Construction Craft Labourer	57	25	25	3	5	9	80%
Field Heat Treatment Technician	12	23	11	16	12	16	33%
Gas Utility Operator	14	5	8	13	26	16	-38%
Industrial Construction Crew Supervisor	48	55	110	123	253	255	1%
Oil and Gas Transportation Services	0	0	0	0	0	0	N/A
Overhead Door Technician *(Note 7)*	N/A	N/A	N/A	N/A	N/A	1	N/A
Residential Construction Site Manager *(Note 8)*	N/A	0	0	0	0	0	N/A
Slickline Services *(Note 9)*	N/A	N/A	N/A	0	0	0	N/A

(continued)

Table 5 (continued)

Completed Apprentices Combined with Individuals Issued Qualification Certificates, and Individuals Issued Occupation Certificates by Trade/Occupation[1]

TRADE AND BRANCH	2010	2011	2012	2013	2014	2015	2014-15 % change
Snubbing Services	4	10	5	5	3	1	-67%
Steel Detailer	3	13	0	0	0	0	N/A
Warehousing *(Note 10)*	13	N/A	N/A	N/A	N/A	N/A	N/A
Well Testing Services Supervisor	2	15	1	2	2	0	-100%
Total - Occupations	153	146	160	165	424	406	-4%
TOTAL	10,405	9,904	9,381	8,562	10,569	10,681	1%

Source: *Alberta Advanced Education*

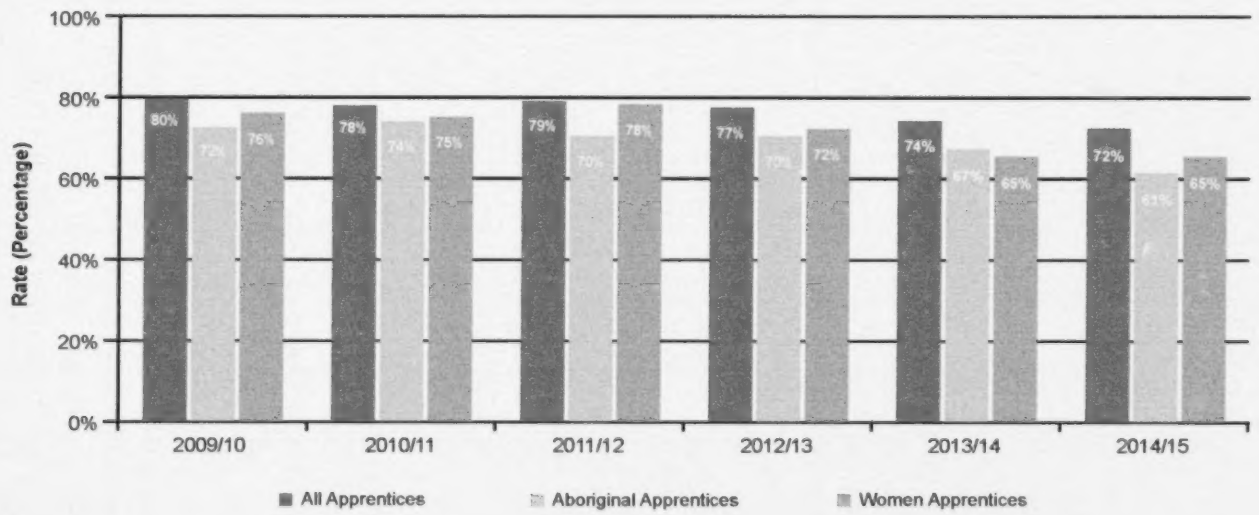
[1] Individuals issued more than one certificate in each year are counted here only once.

N/A = Not Applicable. Data does not exist in one or more of the specified years.

Note 1: Effective January 1, 2015, the designation of autoglass technician as a branch of the glazier trade was rescinded. Apprentices registered in the program before that date can continue in the program until December 31, 2016.
Note 2: Natural gas compression technician became a designated trade on September 1, 2011.
Note 3: Effective September 1, 2011, the old four-period marine and recreational branches of the outdoor power equipment technician trade changed to the new three-period recreational branch of the trade, and the old four-period turf and power branches changed to the new three-period power branch.
Note 4: Effective July 1, 2013, the designation of the trade of sawfiler was rescinded.
Note 5: Effective April 1, 2011, the designation of the trade of tool and die maker was rescinded.
Note 6: Cathodic protection technician became a designated occupation on February 4, 2013.
Note 7: Overhead door technician became a designated occupation on January 1, 2015.
Note 8: Residential construction site manager became a designated occupation on September 30, 2011.
Note 9: Slickline services became a designated occupation on September 30, 2013.
Note 10: The warehousing occupation merged with the parts technician trade on May 1, 2008. Individuals registered in the warehousing occupation on that date had the option to complete their existing warehousing training and become certified prior to May 1, 2010.

Chart 5

Apprentice Completion Rate by Year



Source: *Alberta Advanced Education*

Notes:

Year = July 1 to June 30

The cohort of apprentices that is followed are those who have completed all the requirements for their first period of apprenticeship training (including technical training, on-the-job training and period exams) and went on to complete their program within two years past the normally expected completion date.

The completion rate is based on trade programs that are 2, 3 and 4 years in length combined. One-year trades are excluded.

Table 6

Technical Training Attendance by Institution and School Year[1]

INSTITUTION	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16[1]	2014/15 - 2015/16 % Change
Delmar College of Hair Design *(Note 1)*	113	127	90	74	77	59	-23%
Eveline Charles Academy *(Notes 1 & 2)*	117	57	N/A	N/A	N/A	N/A	N/A
Grande Prairie Regional College	1,088	1,013	1,164	1,406	1,584	1,515	-4%
Keyano College	807	781	751	831	858	782	-9%
Lakeland College	919	952	1,133	1,306	1,438	1,320	-8%
Lethbridge College	811	777	858	989	1,048	1,024	-2%
Marvel College *(Notes 1 & 2)*	N/A	N/A	52	62	81	58	-28%
Medicine Hat College	561	566	633	736	804	688	-14%
Northern Alberta Institute of Technology	12,483	11,491	11,907	12,922	14,063	13,873	-1%
Northern Lakes College	186	166	211	240	295	243	-18%
Olds College	311	300	358	417	434	381	-12%
Portage College	102	134	138	174	184	140	-24%
Red Deer College	2,457	2,284	2,484	2,941	3,462	3,302	-5%
Southern Alberta Institute of Technology	7,667	7,037	7,427	7,963	8,793	8,941	2%
Other Training Providers *(Note 3)*	420	446	417	396	294	467	59%
TOTAL	28,042	26,131	27,623	30,457	33,415	32,793	-2%

Source: *Alberta Advanced Education*

[1] These statistics cover the school year from August 1 to July 31 for each year represented, with the exception of the 2015/16 school year. The data for this year is the attendance as of the date of printing (February 2015).

Note 1: Delmar College, Eveline Charles Academy and Marvel College provide technical training for hairstylists. The hairstylist trade has a two-year apprenticeship program.
Note 2: Between August 1, 2009 and July 31, 2012, Eveline Charles Academy provided hairstylist training in the northern part of the province. As of August 1, 2012, Marvel College has been providing the hairstylist training for northern Alberta.
Note 3: 'Other' training providers may not provide apprenticeship technical training every year. Other training providers for 2015/16 include:
Alberta Carpenters Training Centre - provides technical training for its carpenters
Alberta Operating Engineers Training Centre - provides technical for its mobile crane and hoisting equipment operators
ATCO Electric - provides technical training for its powerline technician apprentices
Edmonton Pipe Trades Educational Trust - provides technical training for its plumbers, steamfitter-pipefitters and welders
Enform - (previously Petroleum Industry Training Service) provides training for the wellhead boom truck branch of the crane and hoisting equipment operator trade
FortisAlberta Inc. - (previously Aquila Networks Canada, Utilicorp Networks Canada and Trans Alta Utilities) provides technical training for its powerline technician apprentices

Table 7

Total Number of Apprentices Registered by Trade and Period (or Year) of Technical Training, 2015[1]

TRADE AND BRANCH	1st Period	2nd Period	3rd Period	4th Period	TT Completed *(Note 1)*	Total Apprentices
Agricultural Equipment Technician	88	22	28	32	29	199
Appliance Service Technician	34	17	14	N/A	10	75
Appliance Service Technician	30	14	14	N/A	10	68
Commercial Appliance Service Technician	4	3	N/A*	N/A	0	7
Auto Body Technician	233	188	145	61	34	661
Auto Body Technician	174	130	132	61	17	514
Prepper	18	N/A*	N/A	N/A	2	20
Refinisher	30	47	N/A	N/A	10	87
Repairer	11	11	13	N/A	5	40
Automotive Service Technician	1,280	689	531	465	240	3,205
Baker	64	32	19	N/A	59	174
Boilermaker	146	182	126	N/A	24	478
Bricklayer	54	53	58	N/A	17	182
Cabinetmaker	105	58	37	48	10	258
Carpenter	1,317	712	542	640	163	3,374
Communication Technician	56	7	25	36	16	140
Concrete Finisher	50	3	N/A*	N/A	18	71
Cook	399	141	212	N/A	224	976
Crane and Hoisting Equipment Operator	2,048	N/A*	614	N/A	355	3,017
Boom Truck	956	N/A	N/A	N/A	58	1,014
Mobile Crane	328	N/A*	614	N/A	100	1,042
Tower Crane	63	N/A*	N/A	N/A	12	75
Wellhead Boom Truck	701	N/A	N/A	N/A	185	886
Electric Motor Systems Technician	12	7	4	9	2	34
Electrician	3,842	3,589	2,638	2,526	663	13,258
Elevator Constructor	0	0	0	201	52	253
Floorcovering Installer	29	13	N/A	N/A	1	43
Gasfitter	171	124	186	N/A	48	529
Gasfitter A	114	103	185	N/A	48	450
Gasfitter B	57	21	1	N/A		79
Glazier	97	56	64	40	13	270
Glazier	96	55	64	40	13	268
Auto Glass Technician *(Note 2)*	1	1	N/A	N/A	0	2
Hairstylist	772	330	N/A	N/A	1,120	2,222
Heavy Equipment Technician	2,028	1,256	1,510	922	479	6,195
Heavy Equipment Technician	1,484	1,008	1,182	922	374	4,970
Heavy Duty Equipment Mechanic (Off Road)	179	91	138	N/A	35	443
Transport Trailer Mechanic	120	N/A*	N/A	N/A	25	145
Truck and Transport Mechanic	245	157	190	N/A	45	637
Instrument Technician	582	411	397	290	276	1,956
Insulator	471	123	147	N/A	45	786
Ironworker	1,112	312	153	29	59	1,665
Ironworker	248	50	44	29	0	371
Metal Building Systems Erector	54	32	N/A	N/A	5	91
Reinforcing	304	30	N/A	N/A	3	337
Structural/Ornamental	506	200	109	N/A	51	866
Landscape Gardener	55	25	17	31	19	147
Lather-Interior Systems Mechanic	68	15	33	N/A	2	118
Locksmith	69	32	24	8	0	133

(continued)

Table 7 (continued)

Total Number of Apprentices Registered by Trade and Period (or Year) of Technical Training, 2015[1]

TRADE AND BRANCH	1st Period	2nd Period	3rd Period	4th Period	TT Completed (Note 1)	Total Apprentices
Machinist	181	134	215	179	44	753
Millwright	540	452	554	447	183	2,176
Motorcycle Mechanic	65	49	34	33	22	203
Natural Gas Compression Technician	4	14	9	1	0	28
Outdoor Power Equipment Technician	30	11	14	N/A	3	58
Power	8	2	3	N/A	1	14
Recreational	22	9	11	N/A	2	44
Painter and Decorator	49	18	21	N/A	7	95
Parts Technician	454	338	285	N/A	51	1,128
Parts Technician	398	314	257	N/A	41	1,010
Materials Technician	56	24	28	N/A	10	118
Plumber	1,457	918	844	647	181	4,047
Plumber	5	9	3	2	0	19
Plumber & Gasfitter B	1,452	909	841	645	181	4,028
Powerline Technician	291	260	208	N/A*	123	882
Power System Electrician	90	36	175	86	68	455
Recreation Vehicle Service Technician	72	55	19	N/A	11	157
Refrigeration and Air Conditioning Mechanic	222	222	184	148	46	822
Rig Technician	601	467	619	N/A	110	1,797
Roofer	86	56	28	N/A*	20	190
Sheet Metal Worker	647	260	207	228	33	1,375
Sprinkler Systems Installer	140	103	83	N/A*	12	338
Steamfitter-Pipefitter	2,340	1,500	1,174	N/A	247	5,261
Structural Steel and Plate Fitter	42	43	36	N/A	8	129
Tilesetter	11	1	N/A*	N/A	8	20
Transport Refrigeration Technician	6	11	9	N/A	7	33
Water Well Driller	23	19	N/A	N/A	3	45
Welder	2,745	1,878	2,468	N/A	453	7,544
Welder	2,698	1,878	2,468	N/A	446	7,490
Wire Processor	47	N/A*	N/A	N/A	7	54
TOTAL	25,278	15,242	14,710	7,107	5,618	67,955

Source: *Alberta Advanced Education*

[1] These statistics are as of December 31, 2015.

N/A = Not all trades have four periods as part of the apprenticeship program. The N/As indicate where there is no period in that trade.
N/A* = The number of periods of an apprenticeship program does not always equal the number of periods of technical training required. N/A* indicates where there is a period in the apprenticeship program but no technical training is required in that period.

Note 1: 'TT Completed' refers to those apprentices who have completed, or who have been granted credit for, all technical training (TT) requirements in their apprenticeship program. Industry examination and/or work experience/on-the-job training requirements for the trade have yet to be successfully completed.
Note 2: Effective January 1, 2015, the designation of autoglass technician as a branch of the glazier trade was rescinded. Apprentices registered in the program before that date can continue in the program until December 31, 2016.

Table 8

Number of Apprentices Registered, Certified and Attending Technical Training by Apprenticeship and Industry Training Office[1], 2015[2]

Office Region	Total Apprentices Registered	New Apprentices Registered	Apprentices Certified	Technical Training Attendance[3]
Bonnyville	1,558	357	255	841
Calgary	16,500	4,447	2,000	8,280
Edmonton	29,218	7,719	3,469	13,737
Fort McMurray	2,962	563	406	1,498
Grande Prairie	3,336	802	401	1,632
Hinton	1,575	416	179	842
Lethbridge	2,347	590	390	1,231
Medicine Hat	1,641	348	267	871
Peace River	877	197	106	417
Red Deer	5,393	1,236	825	2,979
Slave Lake	780	164	124	469
Vermilion	1,753	387	279	995
Total - Office Regions	37,720	13,686	5,114	15,933
Interprovincial - Training Only *(Note 1)*	N/A	N/A	N/A	392
Interprovincial/International - Training and Certification *(Note 2)*	15	1	37	6
Total - Other	15	1	37	398
TOTAL	67,955	17,227	8,738 *(Note 3)*	34,190

Source: *Alberta Advanced Education*

[1] See map on page v for Apprenticeship and Industry Training office regions.
[2] This table represents statistics covering the January to December 2015 calendar year. Technical training in Table 6 is reported as school year. For this table only, the technical training statistics cover the calendar year for comparability within this table.
[3] Attendance reflects the number of technical training seats occupied.

Note 1: Alberta provides training for apprentices from other Canadian provinces and territories where the trade is designated but the jurisdictions are unable to provide technical training due to small apprentice registration numbers. Alberta does not issue these individuals a certificate. They are not counted in any of the tables or charts reflecting the number of registered Alberta apprentices.

Note 2: Alberta registers apprentices and provides technical training to people from jurisdictions where no apprenticeship program exists. Alberta issues a certificate on completion of the program.

Note 3: Not all apprentices attend technical training in any given year. The reasons for not attending may include:
- Apprentices do not normally attend technical training until they have had at least eight to 10 months of on-the-job training with their employer.
- Some apprentices are graduates of accredited post-secondary technical programs or have completed an apprenticeship program in another trade and have received credit for their technical training.
- Some have successfully completed all of the technical training and have only the required on-the-job training to complete before being eligible to be certified.
- Some prefer to obtain the study material (ILMs – individual learning modules) and learn at their own pace, and then challenge the industry exam.
- Some are in the Registered Apprenticeship Program (RAP) and attending high school and are not able to attend technical training.

Table 9

Number of Committee Meetings by Trade/Occupation and Year

TRADE/OCCUPATION	Provincial Apprenticeship Committees (Full,Sub and Special) and Occupational Committees *(Notes 1 & 2)*							Local Apprenticeship Committees *(Note 3)*							
	2010	2011	2012	2013	2014	2015	Total	2010	2011	2012	2013	2014	2015	Total	Number of LACs
Agricultural Equipment Technician	2	1	3	5	2	1	14								0
Appliance Service Technician	2	3	8	2	2	7	24	1	0	1	0	0	0	2	1
Auto Body Technician	6	2	5	3	3	9	28	0	2	0	2	2	0	6	2
Automotive Service Technician	7	3	9	0	4	3	26	8	1	3	4	3	6	25	7
Baker	3	6	7	2	3	4	25	0	0	0	2	1	1	4	2
Boilermaker	0	1	1	0	3	2	7								0
Bricklayer	5	5	3	2	2	5	22	0	2	2	2	1	3	10	2
Cabinetmaker	5	3	0	1	5	2	16	2	1	2	0	1	3	9	2
Carpenter	2	1	0	8	10	8	29	1	8	2	4	5	6	26	8
Communication Technician	1	5	5	4	4	4	23	0	0	1	1	2	2	6	2
Concrete Finisher	2	0	4	1	0	1	8								0
Cook	4	2	2	9	3	5	25	3	2	2	2	3	4	16	3
Crane and Hoisting Equipment Operator	4	4	5	2	5	5	25	2	2	2	3	3	0	12	4
Electric Motor Systems Technician	1	1	1	3	2	6	14	0	0	2	0	0	1	3	2
Electrician	5	8	12	5	9	4	43	5	7	4	5	2	6	29	9
Elevator Constructor	5	1	0	2	2	3	13								0
Floorcovering Installer	3	5	3	1	1	0	13								0
Gasfitter	1	0	0	3	7	12	23	1	0	0	0	1	1	3	2
Glazier	0	0	9	9	5	2	25	1	1	2	3	0	1	8	2
Hairstylist	8	3	3	2	4	3	23	2	3	4	2	5	8	24	7
Heavy Equipment Technician	6	6	8	6	7	8	41	1	5	7	4	6	7	30	8
Instrument Technician	10	7	7	3	6	4	37	0	0	0	0	0	0	0	1
Insulator	2	2	9	3	3	3	22								0
Ironworker	2	4	0	5	7	9	27								0
Landscape Gardener	8	7	1	2	2	2	22	0	1	1	0	1	0	3	1
Lather-Interior Systems Mechanic	2	1	1	1	1	2	8								0
Locksmith	1	0	1	1	5	9	17	1	0	0	0	1	0	2	1
Machinist	2	1	8	1	16	3	31	0	2	2	3	0	2	9	2
Millwright	2	2	5	6	2	4	21	5	2	2	1	3	2	15	3
Motorcycle Mechanic	4	7	5	4	2	2	24	2	0	3	1	1	2	9	2
Natural Gas Compression Technician		0	1	0	1	1	3								0
Outdoor Power Equipment Technician	1	5	5	1	2	0	14	0	0	0	0				0
Painter and Decorator	1	1	2	1	1	1	7	1	0	1	3	2	1	8	2
Parts Technician	2	3	4	6	5	4	24	4	2	2	1	4	3	16	3
Plumber	9	0	1	2	1	5	18	1	2	1	1	2	3	10	4
Powerline Technician	2	2	7	6	8	8	33	0	0	2	1	2	1	6	2
Power System Electrician	3	3	3	7	3	7	26								0
Recreation Vehicle Service Technician	2	0	1	3	6	4	18	1	2	3	2	1	0	9	2
Refrigeration and Air Conditioning Mechanic	9	10	4	6	6	4	39	3	1	1	2	0	2	9	2
Rig Technician	4	2	4	2	2	3	17								0
Roofer	8	7	7	2	2	0	26								0
Sawfiler	0	1	0				1								
Sheet Metal Worker	10	11	2	3	2	4	32	0	4	2	3	2	1	12	4

(continued)

Table 9 (continued)

Number of Committee Meetings by Trade/Occupation and Year

TRADE/OCCUPATION	Provincial Apprenticeship Committees (Full,Sub and Special) and Occupational Committees *(Notes 1 & 2)*							Local Apprenticeship Committees *(Note 3)*							
	2010	2011	2012	2013	2014	2015	Total	2010	2011	2012	2013	2014	2015	Total	Number of LACs
Sprinkler Systems Installer	4	2	0	3	1	5	15	0	0	1	1	0	1	3	1
Steamfitter-Pipefitter	2	2	5	5	1	13	28	0	0	0	1	0	1	2	3
Structural Steel and Plate Fitter	2	1	2	8	6	1	20								0
Tilesetter	1	4	3	6	1	0	15	1	1	0	0	0	0	2	1
Tool and Die Maker	0	5					5								
Transport Refrigeration Technician	5	0	3	4	7	2	21								0
Water Well Driller	4	1	1	5	5	2	18								0
Welder	1	1	1	6	9	7	25	1	1	2	3	4	4	15	8
Total Meetings - Trades *(Note 4)*	175	152	174	169	190	195	1,055	47	52	57	57	58	72	343	105
Cathodic Protection Technician				1	1	2	4								
Construction Craft Labourer	0	0	1	0	1	2	4								
Field Heat Treatment Technician	0	2	2	2	1	0	7								
Gas Utility Operator	0	2	0	1	2	2	7								
Industrial Construction Crew Supervisor	2	2	2	2	0	3	11								
Oil and Gas Transportation Services *(Note 5)*															
Overhead Door Technician						9									
Petroleum Competency Program Steering Committee *(Note 5)*	0	1	0	0	0	0	1								
Residential Construction Site Manager		3	0	1	0	0	4								
Slickline Services *(Note 5)*															
Snubbing Services *(Note 5)*															
Steel Detailer	2	4	0	1	4	7	18								
Warehousing															
Well Testing Services Supervisor *(Note 5)*															
Total - Occupations	4	14	5	8	9	25	65								

Source: *Alberta Advanced Education*

Note 1: There is one provincial apprenticeship committee for each designated trade and one occupational committee for each designated occupation. For the exception to this, see Note 5 below.

Note 2: The number of Provincial apprenticeship committee and occupational committee meetings in this table includes general, sub-committee and special meetings. It does not include ballots for any of the committees.

Note 3: The number of local apprenticeship committees (LACs) varies by trade. The number of LACs for each trade as of December 31, 2015 is indicated in the 'Number of LACs' column. Some trades do not have any LACs. The number of LAC meetings reflected in the table for each trade adds together the meetings of all the LACs in the province for that trade.

Shaded cells indicate that a committee did not exist in that trade or occupation for all or part of the year. Designated occupations do not have local committees.

Note 4: A number of meetings of provincial apprenticeship committees (PACs) were held jointly with other PACs. These joint meetings are counted in the meetings for each PAC, but are only counted once in the totals. The number of joint meetings varies each year. The number of joint meetings in each year are as follows: 2010 - 1; 2011 - 2; 2012 - 7; 2013 - 3; 2014 - 8; 2015 - 3.

Note 5: As of 2010, the Petroleum Competency Program Steering Committee has served as the industry committee for the following designated occupations: oil and gas transportation services, slickline services, snubbing services and well testing services supervisor.

Table 10

Number of Participants in the Registered Apprenticeship Program (RAP) by Trade, 2015

TRADE AND BRANCH	High School	Full Time	Certified *(Note 1)*
Agricultural Equipment Technician	13	45	46
Appliance Service Technician	0	2	5
Appliance Service Technician	0	1	5
Commercial Appliance Service Technician	0	1	0
Auto Body Technician	18	67	96
Auto Body Technician	17	62	18
Prepper	0	0	0
Refinisher	1	3	44
Repairer	0	2	34
Automotive Service Technician	98	321	459
Baker	1	11	11
Boilermaker	0	1	0
Bricklayer	4	7	14
Cabinetmaker	5	33	50
Carpenter	67	231	268
Communication Technician	2	2	1
Concrete Finisher	5	1	5
Cook	33	77	79
Crane and Hoisting Equipment Operator	4	13	22
Boom Truck	1	7	8
Mobile Crane	3	6	13
Tower Crane	0	0	1
Wellhead Boom Truck	0	0	0
Electric Motor Systems Technician	2	1	0
Electrician	87	453	519
Elevator Constructor	0	1	0
Floorcovering Installer	4	5	3
Gasfitter	5	5	6
Gasfitter A	4	5	6
Gasfitter B	1	0	0
Glazier	4	3	8
Glazier	4	3	8
Auto Glass Technician *(Note 2)*	0	0	0
Hairstylist	70	164	552
Heavy Equipment Technician	168	664	488
Heavy Equipment Technician	147	632	459
Heavy Duty Equipment Mechanic (Off Road)	9	13	5
Transport Trailer Mechanic	4	1	5
Truck and Transport Mechanic	8	18	19
Instrument Technician	23	83	98
Insulator	4	5	2
Ironworker	6	9	2
Ironworker	3	7	1
Metal Building Systems Erector	0	0	1
Reinforcing	1	0	0
Structural/Ornamental	2	2	0
Landscape Gardener	4	13	8
Lather-Interior Systems Mechanic	9	16	1
Locksmith	0	1	4
Machinist	9	44	53
Millwright	16	108	114
Motorcycle Mechanic	10	14	28
Natural Gas Compression Technician	0	0	0

(continued)

Table 10 (continued)

Number of Participants in the Registered Apprenticeship Program (RAP) by Trade, 2015

TRADE AND BRANCH	High School	Full Time	Certified *(Note 1)*
Outdoor Power Equipment Technician	**3**	**9**	**6**
Power	0	3	2
Recreational	3	6	4
Painter and Decorator	**1**	**0**	**6**
Parts Technician	**16**	**48**	**73**
Parts Technician	15	47	73
Materials Technician	1	1	0
Plumber	**39**	**130**	**149**
Plumber	0	0	1
Plumber & Gasfitter B	39	130	148
Powerline Technician	**6**	**15**	**22**
Power System Electrician	**0**	**0**	**0**
Recreation Vehicle Service Technician	**4**	**8**	**4**
Refrigeration and Air Conditioning Mechanic	**8**	**13**	**20**
Rig Technician	**0**	**0**	**0**
Roofer	**1**	**3**	**4**
Sheet Metal Worker	**13**	**28**	**30**
Sprinkler Systems Installer	**1**	**6**	**9**
Steamfitter-Pipefitter	**7**	**59**	**48**
Structural Steel and Plate Fitter	**2**	**3**	**7**
Tilesetter	**2**	**0**	**3**
Transport Refrigeration Technician	**0**	**2**	**3**
Water Well Driller	**0**	**5**	**3**
Welder	**105**	**470**	**886**
Welder	104	470	886
Wire Processor	1	0	0
TOTAL	879	3,199	4,215

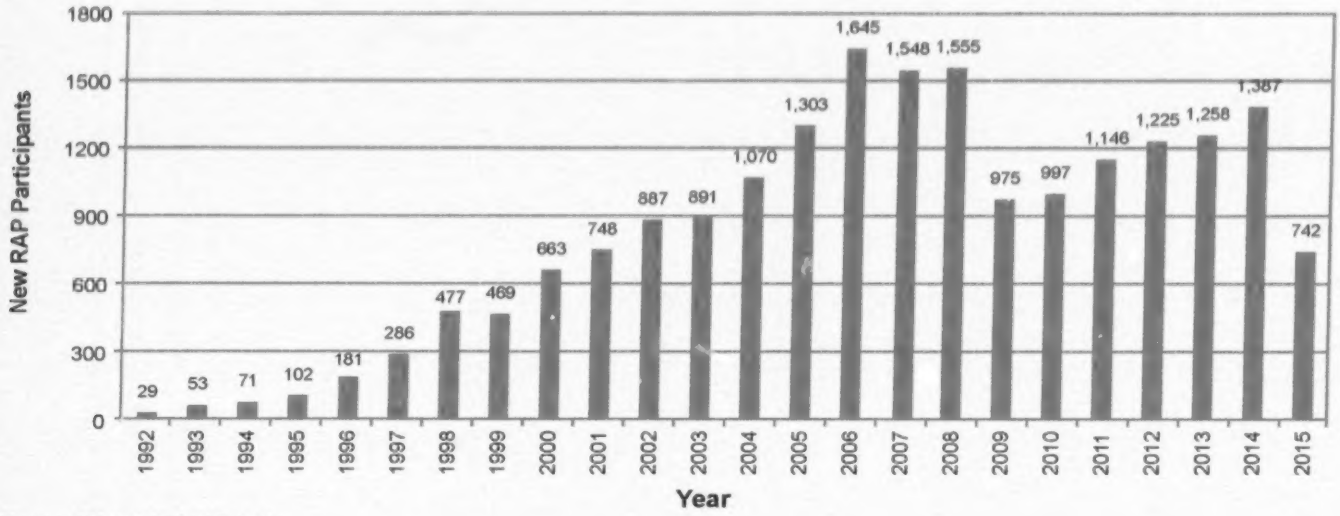
Source: *Alberta Advanced Education*

High School = RAP participants currently in high school.
Full Time = RAP participants who have completed high school and are now full time apprentices.
Certified = Apprentices who began in RAP, have completed their apprenticeship program and are now certified tradespeople.

Note 1: Total number of RAP participants certified since inception of program (1992).
Note 2: Effective January 1, 2015, the designation of autoglass technician as a branch of the glazier trade was rescinded. Apprentices registered in the program before that date can continue in the program until December 31, 2016.

Chart 6

Number of New Registrants in the Registered Apprenticeship Program (RAP) by Year[1]

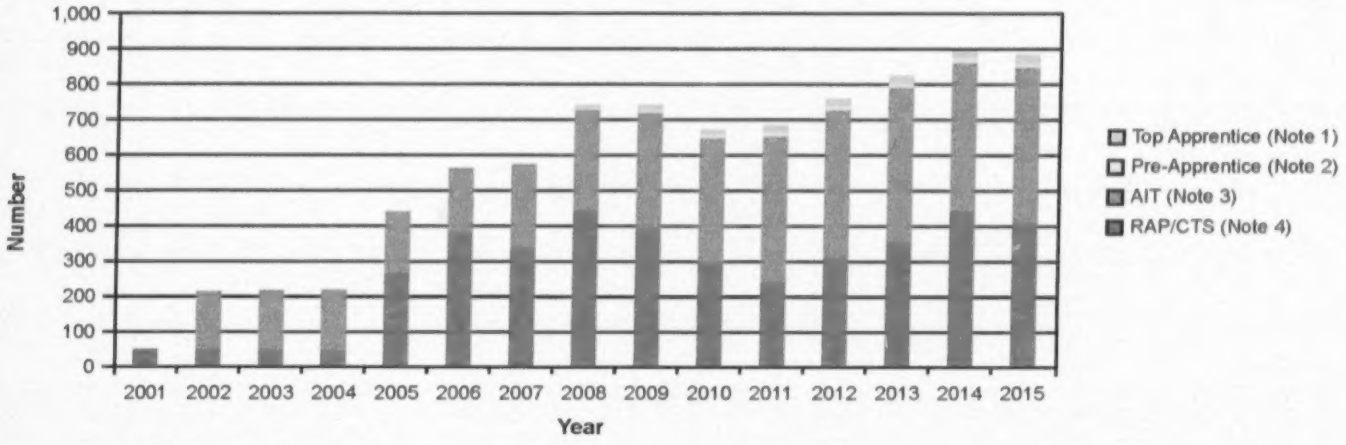


Source: *Alberta Advanced Education*

[1] This graph represent statistics covering calendar years (January to December).

Chart 7

Total Number of Individuals Awarded Scholarships by Year



$8.5 million dollars have been awarded to apprentices since the scholarship program began in 2001.

Source: *Alberta Advanced Education*

Note 1: There are currently 22 Top Apprentice Scholarships of $1,500 available each year. The first year the scholarships were awarded was 2008. Top Apprentice Scholarships are awarded to apprentices who achieved both a very high academic standing in their technical training and a strong employer recommendation.

Note 2: There are currently 11 Pre-Apprentice Scholarships of $1,000 available each year. The first year the scholarships were awarded was 2008. Pre-Apprenticeship Scholarships are awarded to individuals who have completed pre-trades training and have since become a registered apprentice. Recipients are selected based on their marks and employer recommendations.

Note 3: There are a minimum of 357 Apprenticeship and Industry Training (AIT) Scholarships of $1,000 available each year. The number varies each year based on the value of the endowment fund. The first year the scholarships were awarded was 2002. AIT Scholarships are awarded to registered apprentices who are continuing in, and working toward, completing their apprenticeship program. Recipients are selected based on their marks and employer recommendations.

Note 4: The Registered Apprentice Program/Career and Technology Studies Apprenticeship Pathways (RAP/CTS) Scholarships are $1,000 each. For the years 2001 to 2004, there were 50 RAP/CTS scholarships available. Since 2005, 500 RAP/CTS Scholarships are available each year. RAP/CTS Scholarships are awarded to individuals who have participated in RAP or in CTS apprenticeship pathways in high school and have since become a registered apprentice. Recipients are selected based on employer recommendations, high school recommendations and marks.

For more information on scholarships, go to: *tradesecrets.alberta.ca*

Table 11

Number of Apprentices Registered - Total, Aboriginal and Women, 2015[1]

TRADE	Total Apprentices Registered	Aboriginal Apprentices Registered	Women Apprentices Registered
Agricultural Equipment Technician	**199**	**4**	**1**
Appliance Service Technician	**75**	**2**	**0**
Appliance Service Technician	68	2	0
Commercial Appliance Service Technician	7	0	0
Auto Body Technician	**661**	**24**	**53**
Auto Body Technician	514	21	37
Prepper	20	0	2
Refinisher	87	3	11
Repairer	40	0	3
Automotive Service Technician	**3,205**	**123**	**119**
Baker	**174**	**9**	**138**
Boilermaker	**478**	**48**	**24**
Bricklayer	**182**	**6**	**5**
Cabinetmaker	**258**	**9**	**37**
Carpenter	**3,374**	**220**	**214**
Communication Technician	**140**	**2**	**6**
Concrete Finisher	**71**	**4**	**0**
Cook	**976**	**56**	**326**
Crane and Hoisting Equipment Operator	**3,017**	**123**	**64**
Boom Truck	1,014	40	16
Mobile Crane	1,042	45	38
Tower Crane	75	3	1
Wellhead Boom Truck	886	35	9
Electric Motor Systems Technician	**34**	**0**	**1**
Electrician	**13,258**	**515**	**770**
Elevator Constructor	**253**	**5**	**5**
Floorcovering Installer	**43**	**0**	**0**
Gasfitter	**529**	**16**	**23**
Gasfitter A	450	15	23
Gasfitter B	79	1	0
Glazier	**270**	**11**	**9**
Glazier	268	11	9
Auto Glass Technician *(Note 2)*	2	0	0
Hairstylist	**2,222**	**120**	**2,036**
Heavy Equipment Technician	**6,195**	**288**	**147**
Heavy Equipment Technician	4,970	232	115
Heavy Duty Equipment Mechanic (Off Road)	443	25	17
Transport Trailer Mechanic	145	5	5
Truck and Transport Mechanic	637	26	10
Instrument Technician	**1,956**	**81**	**94**
Insulator	**786**	**56**	**118**
Ironworker	**1,665**	**202**	**84**
Ironworker	371	57	18
Metal Building Systems Erector	91	4	2
Reinforcing	337	65	8
Structural/Ornamental	866	76	56
Landscape Gardener	**147**	**4**	**58**
Lather-Interior Systems Mechanic	**118**	**8**	**2**
Locksmith	**133**	**3**	**12**
Machinist	**753**	**21**	**36**
Millwright	**2,176**	**122**	**79**
Motorcycle Mechanic	**203**	**13**	**12**
Natural Gas Compression Technician	**28**	**1**	**0**

(continued)

Table 11 (continued)

Number of Apprentices Registered - Total, Aboriginal and Women, 2015[1]

TRADE	Total Apprentices Registered	Aboriginal Apprentices Registered	Women Apprentices Registered
Outdoor Power Equipment Technician	**58**	**3**	**6**
Power	14	1	3
Recreational	44	2	3
Painter and Decorator	**95**	**3**	**19**
Parts Technician	**1,128**	**55**	**438**
Parts Technician	1,010	47	405
Materials Technician	118	8	33
Plumber	**4,047**	**213**	**175**
Plumber	19	2	1
Plumber & Gasfitter B	4,028	211	174
Powerline Technician	**882**	**54**	**8**
Power System Electrician	**455**	**10**	**14**
Recreation Vehicle Service Technician	**157**	**5**	**12**
Refrigeration and Air Conditioning Mechanic	**822**	**20**	**19**
Rig Technician	**1,797**	**80**	**3**
Roofer	**190**	**15**	**10**
Sheet Metal Worker	**1,375**	**54**	**69**
Sprinkler Systems Installer	**338**	**12**	**9**
Steamfitter-Pipefitter	**5,261**	**306**	**261**
Structural Steel and Plate Fitter	**129**	**6**	**7**
Tilesetter	**20**	**0**	**4**
Transport Refrigeration Technician	**33**	**1**	**0**
Water Well Driller	**45**	**4**	**1**
Welder	**7,544**	**427**	**698**
Welder	7,490	391	697
Wire Processor	54	36	1
TOTAL - TRADES	67,955	3,364 *(Note 1)*	6,226

Source: *Alberta Advanced Education*

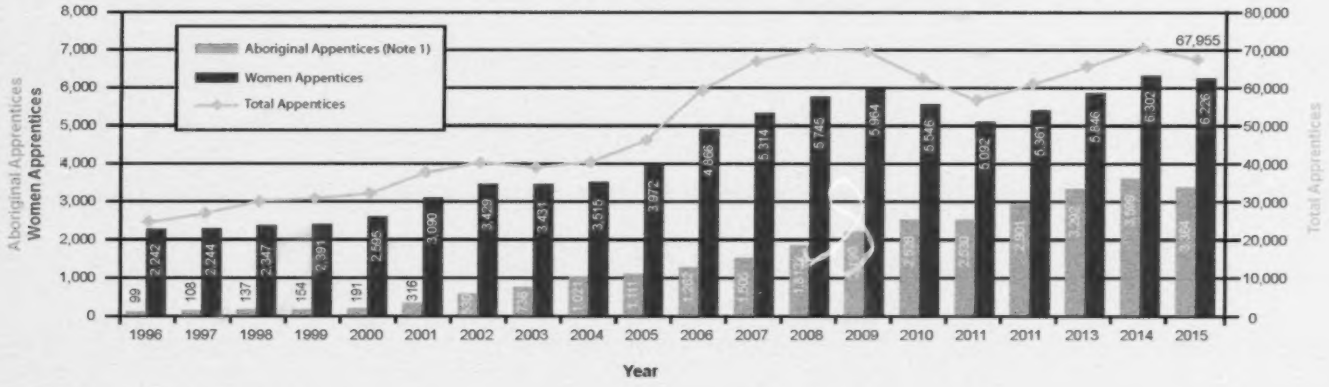
[1] Total number of apprentices registered as of December 31. Apprentices may be registered in more than one trade or branch of a trade within the same year, but are counted here only once.

Note 1: Apprentices choose whether or not to disclose their Aboriginal heritage when registering. The total number of Aboriginal apprentices reflected here indicates those who disclosed their Aboriginal heritage. There may be additional apprentices with Aboriginal heritage registered who did not disclose that information.

Note 2: Effective January 1, 2015, the designation of autoglass technician as a branch of the glazier trade was rescinded. Apprentices registered in the program before that date can continue in the program until December 31, 2016.

Chart 8

Total, Women and Aboriginal[1] Apprentices Registered by Year


Aboriginal Appentices (Note 1)
Women Appentices
Total Appentices
Aboriginal Apprentices
Women Apprentices
Total Apprentices
Year
67,955
1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2011 2013 2014 2015

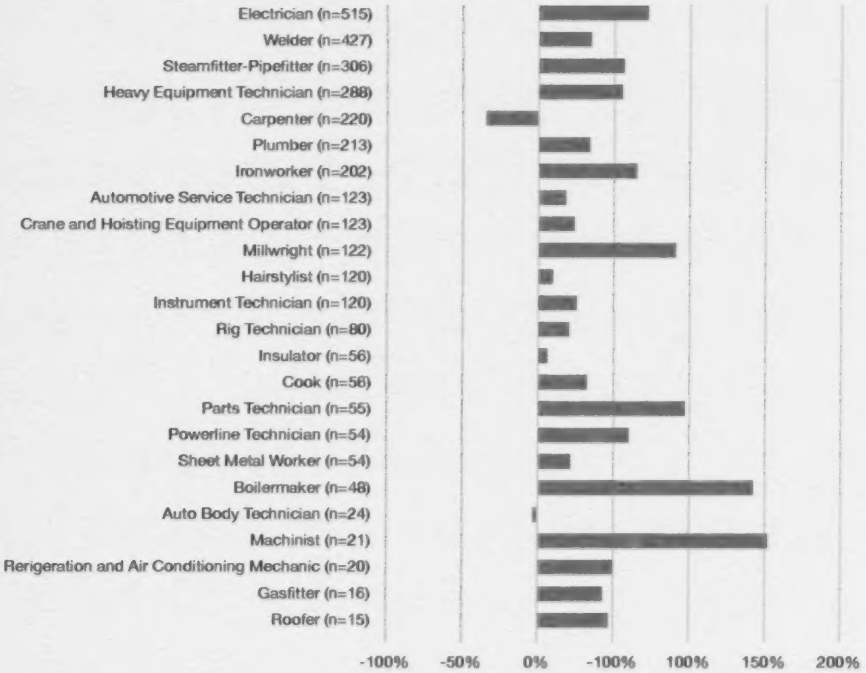
Source: *Alberta Advanced Education*

Note 1: Apprentices choose whether or not to disclose their Aboriginal heritage when registering. The total number of Aboriginal apprentices reflected here indicates thos who disclosed their Aboriginal heritage. There may be additional apprentices with Aboriginal heritage registered who did not disclose that information.

* In 2007 and 2008, the statistical methodology for the Aboriginal apprentice number changed, therefore, the numbers in those two years cannot be compared to those of previous or future years.

Chart 9

Per Cent Change of Aboriginal Apprentices Registered[1] by Trade Between 2010 and 2015



Source: *Alberta Advanced Education*

[1] Apprentices choose whether or not to disclose their Aboriginal heritage when registering. The total number of Aboriginal apprentices reflected here indicates those who disclosed their Aboriginal heritage. There may be additional apprentices with Aboriginal heritage registered who did not disclose that information.

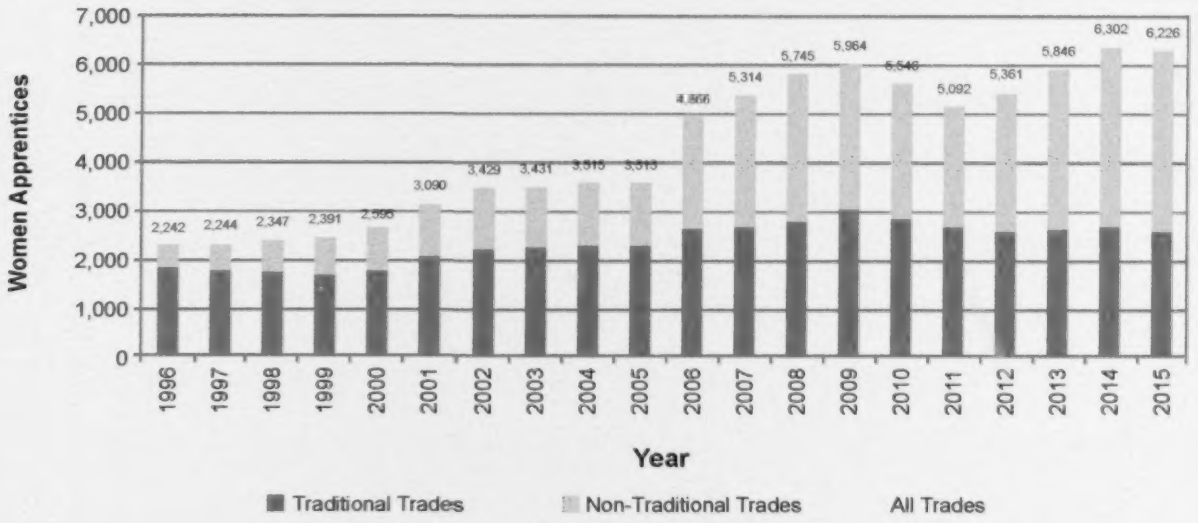
Notes:
The 24 of 49 trades represented in the chart are those in which there were the highest number of Aboriginal apprentices registered as of December 31, 2015. The list of trades is rank ordered with the highest to lowest number of Aboriginal apprentices registered.

The 'n' provided is the number of apprentices registered in the given trade as of December 31, 2015.

Due to small registration numbers in some trades, large percentage changes may occur.

Chart 10

Total Number of Women Apprentices Registered by Year[1]



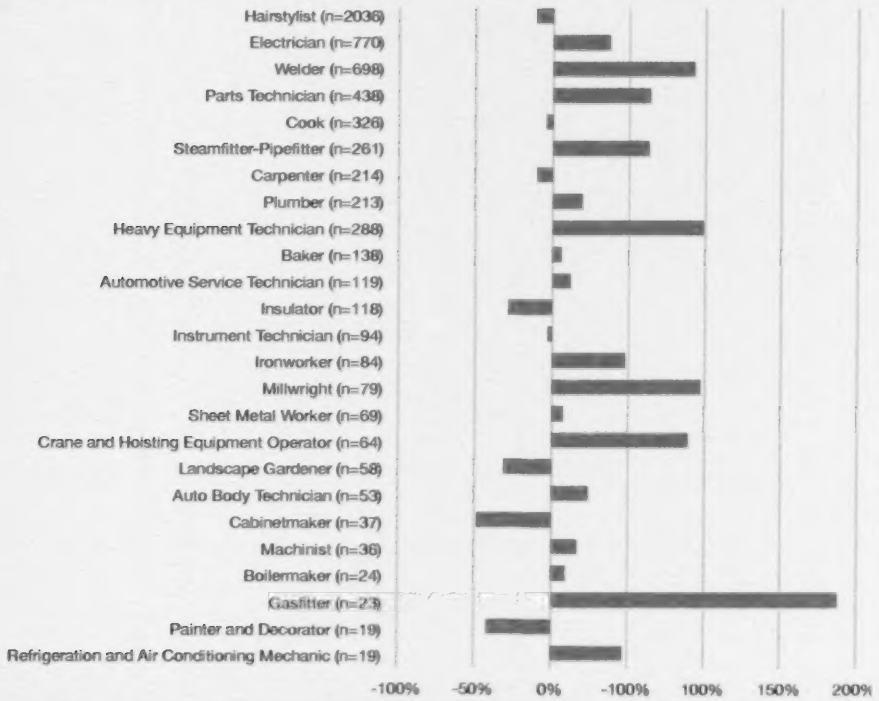
Source: *Alberta Advanced Education*

[1] This graph represents statistics covering a series of calendar years (January to December).

Traditional Trades = Trades that are gender-biased toward women. They are trades in which women have traditionally made up a large proportion of the total apprentices registered. These trades are: baker, cook, hairstylist, landscape gardener.
Non-Traditional Trades = All trades other than the four 'Traditional Trades'.

Chart 11

Per Cent Change of Women Apprentices Registered by Trade Between 2010 and 2015



Source: *Alberta Advanced Education*

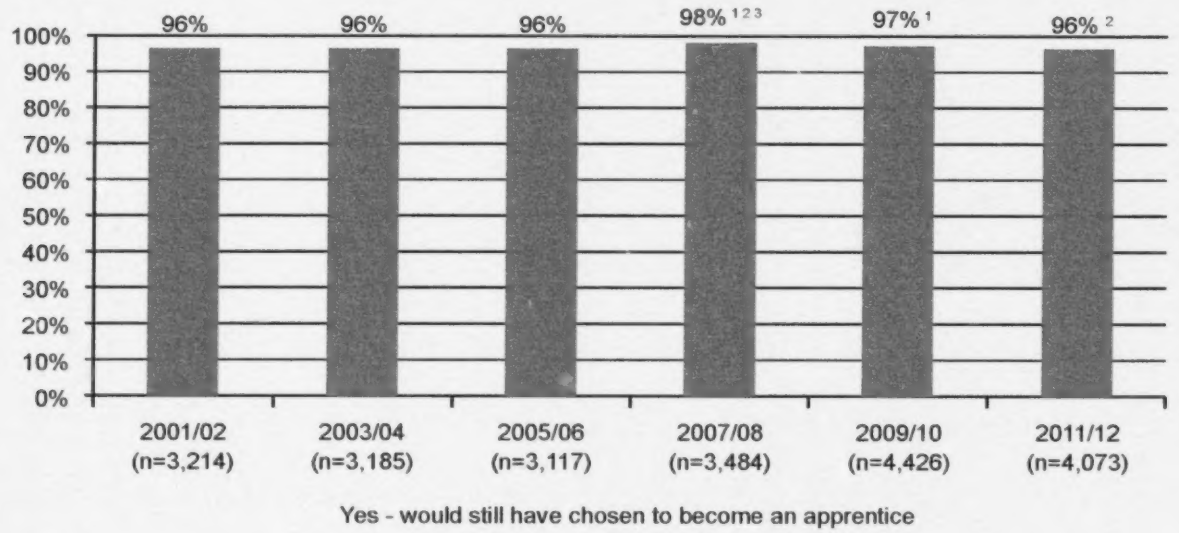
Notes:
The 25 of 49 trades represented in the chart are those in which there were the highest number of women apprentices registered as of December 31, 2015. The list of trades is rank ordered with the highest to lowest number of women apprentices registered.

The 'n' provided is the number of apprentices registered in the given trade as of December 31, 2015.

Due to small registration numbers in some trades, large percentage changes may occur.

Chart 12

Apprentice Graduate Satisfaction with Apprenticeship System



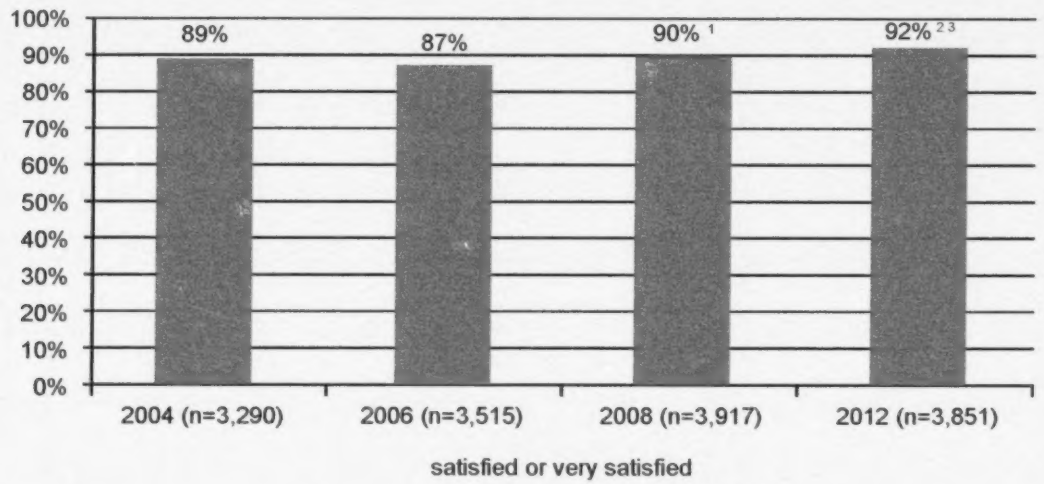
Source: *Alberta Advanced Education, surveys of graduates of apprenticeship and industry training*

Survey Question #F6: In retrospect, based on your experience with the Alberta apprenticeship program, would you still have chosen to become an apprentice?

[1] Indicates a significant change in response at a .05 level of confidence compared to the previous survey year.
[2] Indicates a significant change in response at a .05 level of confidence compared to two surveys previous.
[3] Indicates a significant change in response at a .05 level of confidence compared to three surveys previous.

Chart 13

Employer Satisfaction with Apprenticeship System



Source: *Alberta Advanced Education, surveys of employer satisfaction with apprenticeship training and skilled tradespeople*

Survey Question #45: Overall, how satisfied are you with the apprenticeship and trade certification system in Alberta?

[1] Indicates a significant change in response at a .05 level of confidence compared to the previous survey year.
[2] Indicates a significant change in response at a .05 level of confidence compared to two surveys previous.
[3] Indicates a significant change in response at a .05 level of confidence compared to three surveys previous.